

AD640572

TM-3008/002/00

TECHNICAL MEMORANDUM

(TM Series)

Distribution of this document is
unlimited.

BEST AVAILABLE COPY

This document was produced by SDC in performance of contract ADI 65-1 and SDC Independent
Research Project.

A Bibliography on Information Science
and Technology for 1966. Part II.

By

Frances Neeland

15 September 1966

SYSTEM

DEVELOPMENT

CORPORATION

2500 COLORADO AVE.

SANTA MONICA

CALIFORNIA

90406

The views, conclusions or recommendations expressed in this document do not necessarily reflect the official views or policies of agencies of the United States Government



20040902006

Abstract

The primary aim of this continuing bibliography is to assist the authors of the chapters in "Annual Review of Information Science and Technology" in discovering the existence or determining the identity of documents relevant to their topics. The style of entries also reflects the authors' requirements. The "Abbreviations and Index for Periodicals Cited" is cumulative for parts I and II.

Preface

The National Science Foundation has awarded a grant to the American Documentation Institute to support the establishment of the series, "Annual Review of Information Science and Technology." The System Development Corporation is providing general technical support to ADI, with Dr. Carlos A. Cuadra serving as Editor. Copies of the first volume of the Review will be available at the 1966 ADI Annual meeting to be held in Santa Monica, California, 3-7 October. Thereafter, they can be purchased from Interscience Publishers, Division of John Wiley & Sons, New York.

The abbreviations for the periodical titles in this document are based on the rules in "American Standard for Periodical Title Abbreviations," which were sponsored by the Council on National Library Associations and approved by American Standards Association in November 1964.

Grateful acknowledgement is made to Jann Brady for typing and for clerical support.

478. ABELSON, PHILIP H. The Human Use of Computing Machines. Science, 153 (15 July 1966) 253.
479. ABRAMSON, J. H. The Cornell Medical Index as an Epidemiological Tool. Amer. J. Pub. Health, 56 (Feb. 1966) 287-298.
480. Abstracts Journal of Scientific and Technical Information Published in English in the USSR. Bibliogr. Doc. Terminol., 6 (May 1966) 107.
481. Academies Establish Committee on Scientific and Technical Communication. Inform. Retr. Lett., 1 (Mar. 1966) 2-3.
- (ACKERMANN, H. J., J. B. HAGLIND, H. G. LINDWALL, & R. E. MAIZELL see Ref. 487 a)
482. ACM Committee on Copyrighting Protests Proposed New Bill As Too Restrictive on Use of Computers. Commun. ACM, 9 (June 1966) 461-462.
483. ADAMS, CHARLES J. Statistical Chaos: Technical Services in Public Libraries. Libr. J., 91 (1 May 1966) 2273-2280.
- (ADAMS, R. M. see Ref. 488 a)
- (ADDELSTON, AARON & URIEL J. GOLDSMITH see Ref. 487 b)
484. Advisory Committee Appointed by LC on Photocopying Foreign Manuscripts. Libr. J., 91 (15 June 1966) 3138+.
- (AFIPS Conference Proceedings, vol. 28; 1966 Spring Joint Computer Conference see Ref. 489)
- (AGALIDES, EUGENE, JORGE BERNARDIN, & ROLAND ZINSMEISTER see Ref. 641 r)
- (ALANEN, SALLY, FREDERICK G. KILGOUR, & DAVID E. SPARKS see Ref. 520 a)
- (ALLAIS, D. C. see Ref. 731 i)
485. ALLEN, THOMAS J. The Differential Performance of Information Channels in the Transfer of Technology. Massachusetts Institute of Technology, Cambridge, Mass., June 1966, 28 p. (Alfred P. Sloan School of Management. Working Paper, No. 196-66).
- (ALTMANN, B. see Ref. 487 c)
486. AMARA, R. C. Data Collection and Systems Analysis [Letter] Science, 152 (22 Apr. 1966) 450.

487. AMERICAN CHEMICAL SOCIETY. DIVISION OF CHEMICAL LITERATURE. Papers presented at the 151st Meeting, Pittsburgh, Pa., 23-25 March 1966. Abstracts in: Chem. Lit., 18 (Spring 1966) 4-9. (Usually preprints may be obtained from the authors or purchased from Miss Judith Feltham, 133 West Crescent Parkway, South Plainfield, N.J.).
- a. ACKERMANN, H. J., J. B. HAGLIND, H. G. LINDWALL, & R. E. MAIZELL. SWIFT: Computerized Storage and Retrieval of Technical Information.
 - b.* ADDELSTON, AARON & URIEL J. GOLDSMITH. Procedures for Detecting Errors in Chemical Literature.
 - c.* ALTMANN, B. A Natural Language Storage and Retrieval (ABC) Method: Its Rationale, Operation, and Further Development Program.
 - d.* ANDERSON, ISABELLA & JANET VERNON. Xerox Puts New Life into a Punched Card Filing System.
 - e.* BONDI, A. On Error Prevention.
 - f.* COE, K. L., D. P. LEITER, JR., H. L. MORGAN, & F. R. WETSEL. Procedures for Assessing Errors.
 - g. CUMMINGS, MARTIN M. How to Raise Resources for Information Systems.
 - h.* DANIEL, EARL S. Solving Information Storage and Retrieval Problems with Miracode.
 - i. DAVENPORT, W. C. & J. T. DICKMAN. Computer-Based Composition at the Chemical Abstracts Service.
 - j. DAY, MELVIN S. Factors in Justifying the NASA Information Program
 - k. DENNIS, BERNARD K. Raising Financial Support for Information Systems: Problems and Possibilities.
 - l.* EVANS, WILLIAM H. Effects of Errors in the Chemical Literature on the Compilation of Critically Evaluated Data.
 - m. FREEMAN, MONROE E. Determining Cost of Information Systems.
 - n. FRY, BERNARD M. How to Raise Resources for Information Systems.

* Published in J. Chem. Doc., 6 (Aug. 1966)

487. (Continued)

- o.* GALLAGHER, JOAN L. Experience Leading to the Introduction of an SDI System.
- p.* GARFIELD, EUGENE. ISI Services in the Design of Small User Systems.
- q.* HERNER, SAUL. The Place of the Small Medical Library in the National Network.
- r. KIRSCHNER, STANLEY. The Adaptation to Computer Processing of Machine-Sorted Punched Cards Used for Retrieving Chemical Literature References.
- s. KIRSCHNER, STANLEY & STANLEY H. KRAVITZ. The Application of Computers to the Retrieval of Selective Information Regarding the Anti-Cancer Activity of Complex Inorganic Compounds.
- t. KUNEY, JOSEPH H., BERNARD G. LAZORCHAK, & STEPHEN W. WALCAVICH. Encoding Manuscripts as Primary Input to Chemical Information Handling Systems.
- u.* LANCASTER, F. W. Evaluating the Performance of the Small Information Retrieval System.
- v.* LEFKOVITZ, DAVID & CLARENCE T. VAN METER. An Experimental Real Time Chemical Information System.
- w. LOWRY, CHARLES DOAK. In Defence of Abstracting.
- x.* O'DETTE, R. E. & S. W. TERRANT. Publications and Services from Chemical Abstracts Service.
- y. OFER, K. D., C. N. RICE, R. B. BOURNE, & S. W. LOGAN. A Pilot Study for the Input to a Chemical-Structure Retrieval System.
- z. OPLER, ASCHER. Problems in Contracting for the Development of an Information System.
- aa. SCHIRMER, ROBERT F. Thesaurus Updating and Analysis.
- bb.* SEWELL, WINFRED. The Impact of the National Library of Medicine on the Small Information Group.
- cc.* SHER, IRVING H., EUGENE GARFIELD, & ARTHUR W. ELIAS. Control and Elimination of Errors in ISI Services.

* Published in J. Chem. Doc., 6 (Aug. 1966)

487. AMERICAN CHEMICAL SOCIETY. DIVISION OF CHEMICAL LITERATURE. Papers presented at the 151st Meeting, Pittsburgh, Pa., 23-25 March 1966. (Cont:

- dd. STUDER, PAUL A. Metabolism of Biochemical Information: Primary and Secondary Publication of Oral Reports.
- ee.* WAGNER, FRANK S., JR. A Decade's Experience with a Primitive Machine Retrieval System.
- ff. WERDEL, JUDITH A. Methods of Error Control in the Publication of Chemical Journals: A Brief Survey.
- gg. WHALEY, FRED R. & CAROLYN FLANIGAN. Project CADRE, Current Awareness and Document Retrieval for Engineers, A Progress Report.

488. AMERICAN CHEMICAL SOCIETY. DIVISION OF CHEMICAL LITERATURE. Papers to be presented at the 152nd Meeting, New York, 11-16 September 1966.

- a. ADAMS, R. M. Inorganic Nomenclature.
- b. BERNSTEIN, S. The Steroid Chemist and Secondary Information Source.
- c. BOND, L., C. M. BOWMAN, & D. HARTMAN. User Reaction to Three New Services Offered by Chemical Abstracts Service.
- d. BRADY, E. L. The National Standard Reference Data System (NSRDS).
- e. CLARK, B. F. Initiating a Technical Editing Program for R&D Operations.
- f. CLARK, B. F. & R. E. Maizell. Early Experience with a Technical Correspondence Center.
- g. COHN, W. E. Biochemical Nomenclature.
- h. CONRAD, C. C. Coordination and Integration of Technical Information Services.
- i. FALLON, F. The Use of FARMDOC at Richardson-Merrell.
- j. FLETCHER, J. H. The Nomenclature of Organic Chemistry.
- k. FOX, R. B. Problems in Polymer Nomenclature.
- l. GARVIN, D. The NBS Chemical Kinetics Information Center.

* Published in J. Chem. Doc., 6 (Aug. 1966)

488. (Continued)

- m. HALL, R. M. S. Data Compilation Activities in the United Kingdom.
- n. HINES, T. C. Salaries and Academic Training Programs for Information Scientists.
- o. JOHNSON, E. R. NSRDS Program in Thermodynamic and Transport Properties.
- p. KING, D. W. & P. M. McDONNELL. Evaluation of Coordinate Index Systems During File Development. Part II: An Application.
- q. KUENTZEL, L. Organizing Physical Molecular Data for Qualitative Chemical Analysis.
- r. LOMBARDI, J. I. Innovations on the Jonker Termatrix System.
- s. MCGARVEY, A. R. Uniterm Index to U.S. Chemical Patents--User Evaluation.
- t. MAIZELL, R. E. Continuing Education in Technical Information Services
- u. MATTHEWS, F. W. & L. THOMSON. Weighted Term Search--A Computer Program for a Coordinate Index on Magnetic Tape.
- v. MORGAN, H. L. & D. P. LEITER, JR. Quality Control and Auditing Procedure in the Chemical Abstracts Compound Registry.
- w. MORGAN, H. L., F. R. WETSEL, & D. J. WHITTINGHAM. The Computer-Based Subject Index Support System at Chemical Abstracts Service.
- x. OATFIELD, H. The ARCS System: RINGDOC as Used with a Computer.
- y. ONIK, H. & J. D. H. DONNAY. Crystal Data.
- z. PINZELIK, J. The Science Citation Index as an Aid to Using the Chemical Literature.
- aa. REMSEN, D. B. Utilization of DeHaen Services as a Source of Pharmaceutical Information.
- bb. ROSS, A. B. & M. BURTON. The Radiation Chemistry Data Center.

488. AMERICAN CHEMICAL SOCIETY. DIVISION OF CHEMICAL LITERATURE. Papers to be presented at the 152nd Meeting, New York, 11-16 September 1966. (Con
- cc. ROSSINI, F. D. Historical Background of Current Data Compilation Activities.
 - dd. ROSSMASSLER, S. A. NSRDS Program in Atomic and Molecular Properties
 - ee. SKOLNIK, H. & M. H. PAYSON. Designing an Author-Based Correspondence Information System.
 - ff. SMITH, J. F., E. BABCOCK, & T. E. R. SINGER. Chemical-Pharmaceutical Twins.
 - gg. SMITH, J. F. & T. E. R. SINGER. Patentese: A Dialect of English.
 - hh. SPEIGHT, F. Y. Numerical Data Activities in Engineering Societies.
 - ii. TOULOUKIAN, Y. S. The Thermophysical Properties Research Center.
 - jj. WADDINGTON, G. A World System of Data Compilations.
 - kk. WALL, F. E. Of the Making of Books.
 - ll. WATSON, C. E. The Relative Usefulness of Chemical Abstracts and Chemisches Zentralblatt for Searching the Chemical Literature.
 - mm. WEISMAN, H. M. Needs of ACS Members for Property Data.
 - nn. WISWESSER, W. J. The "Dot-Plot" Computer Program.
 - oo. WOLFROM, M. L. Carbohydrate Nomenclature.
 - pp. YOUNG, J. A. Nomenclature of Highly Fluorinated Molecules.
489. AMERICAN FEDERATION OF INFORMATION PROCESSING SOCIETIES. AFIPS Conference Proceedings, vol. 28; 1966 Spring Joint Computer Conference. Spartan Books, Washington, D.C., 1966, 475 p. Contents (partial):
- a. FRANKS, E. W. A Data Management System for Time-Shared File Processing Using a Cross-Index File and Self-Defining Entries, p. 79
 - b. CARLSON, GARY. Techniques for Replacing Characters that are Garbled on Input, p. 189-192.

489. (Continued)

- c. CONNORS, THOMAS B. ADAM--A Generalized Data Management System, p. 193-203.
 - d. MERRITT, C. ALLEN & PAUL J. NELSON. The Engineer-Scientist and an Information Retrieval System, p. 205-212.
 - e. GATTO, JAMES J. Application of Computer-Based Retrieval Concepts to a Marketing Information Dissemination System, p. 285-295.
 - f. BERNARD, DAVID W., FRANK A. DIGILIO, FRANK V. THIEMANN, & RONALD F. BORELII. A Serial Reader-Punch with Novel Concepts, p. 307-314.
 - g. SPURRIER, CHESTER E. The IBM 2560 Multi-Function Card Machine, p. 315-321.
 - h. LEDLEY, ROBERT S., JOHN JACOBSEN, MARILYN BELSON, JAMES B. WILSON, LOUIS ROTOLO, & THOMAS GOLAB. Pattern Recognition Studies in the Biomedical Sciences, p. 411-430.
 - i. BAYLOR, GEORGE W. & HERBERT A. SIMON. A Chess Mating Combinations Program, p. 431-447.
 - j. PENNY, SAMUEL J. & JAMES H. BURKHARD. Multidimensional Correlation Lattices as an Aid to Three-Dimensional Pattern Recognition, p. 449-455.
 - k. JOSEPH, R. D. & S. S. VIGLIONE. A Pattern Recognition Technique and its Application to High-Resolution Imagery, p. 457-475.
490. AMERICAN FEDERATION OF INFORMATION PROCESSING SOCIETIES. The State of the Information Processing Industry. New York, Apr. 1966, 103 p.
491. AMERICAN LIBRARY ASSOCIATION. STATISTICS COORDINATING PROJECT. Library Statistics: A Handbook of Concepts, Definitions, and Terminology. American Library Ass., Chicago, Ill., 1966, 160 p.
492. AMERICAN PSYCHOLOGICAL ASSOCIATION. PROJECT ON SCIENTIFIC INFORMATION EXCHANGE IN PSYCHOLOGY. Reports, vol. 2. Washington, D. C., Dec. 1965, 292 p.
493. AMERICAN STANDARDS ASSOCIATION. American Standard Vocabulary for Information Processing. New York, 14 June 1966, 30 p.

494. AMERICAN STANDARDS ASSOCIATION, SECTIONAL COMMITTEE X3. COMPUTERS AND INFORMATION PROCESSING. Twelve-Row Punched-Card Code for Information Interchange--Proposed American Standard. Commun. ACM, 9 (June 1966) 450-459.
495. ANDERSON, ALAN A. Guidelines for the Utilization of Statisticians in the Design and Execution of Information Retrieval System Evaluation Studies. System Development Corp., Santa Monica, Calif., 12 July 1966, 11 p.
496. ANDERSON, ALAN A. Multi-Level File Structure as a Frame of Reference for Measuring User Interest. System Development Corp., Santa Monica, Calif., 12 July 1966, 12 p.
497. ANDERSON, ARTHUR F. Records Protection in the Age of EDP. Systems, 7 (May 1966) 16-17, 46.
- (ANDERSON, ISABELLA & JANET VERNON see Ref. 487 d)
498. ANDERSON, RUTH, ETHEL MARDEN, & BEATRICE MARRON. File Organization for a Large Chemical Information System. Final Report, May 1964-Dec. 1965. Center for Computer Sciences and Technology, National Bureau of Standards, Washington, D.C., 19 Nov. 1965, 26 p. (AD-633 354).
- (ANDERSSON, P. L. see Ref. 693 j)
- (ANNUAL REVIEW OF INFORMATION SCIENCE AND TECHNOLOGY see Ref. 597)
- (ANTIDZE, D. G. see Ref. 925 b)
499. Are They Getting Their Money's Worth? LC Assesses 15 Years of Its Special Recruit Program. Libr. J., 91 (1 June 1966) 2759-2764.
500. As Attractive as Buddhism? A Report on a Reference and Information Services Conference, Columbia University, March 30-April 1. Libr. J., 91 (15 May 1966) 2423-2430.
501. ASERO, JOHN J. Find That Fact: The Army Study (Documentation) and Information Retrieval at Work. Army Inform. Dig., 21 (Mar. 1966) 45-49.
502. ASH, LEE. "Book Review Index": A New Book Selection Tool. Libr. J., 91 (15 Apr. 1966) 2013-2015.
- (ASSOCIATION FOR COMPUTING MACHINERY see Ref. 840)
503. At the Touch of a Button: Data on Materials. Prod. Eng., 37 (28 Mar. 1966) 112-113.

(ATHERTON, PAULINE A. see Ref. 984 e)

504. ATOMIC ENERGY COMMISSION. DIVISION OF TECHNICAL INFORMATION EXTENSION. Descriptive Cataloguing Guide. Oak Ridge, Tenn., Jan. 1966, (TID 4577, Rev. 1).

(ATTNEAVE, FRED & MALCOLM D. ARNOULT see Ref. 990 g)

(AUSTIN, CHARLES J. see Ref. 698 g)

505. Automation in Libraries Slow but Sure. Automation, 13 (Apr. 1966) 31+.
506. BAILES, STEPHEN M. An EDP Approach to Finding the Right Person. Systems, 7 (Mar. 1966) 16-17, 52-53.
507. BALL, ALICE D. The USBE Story...Continued. Libr. J., 91 (15 Mar. 1966)
508. BALLOU, HUBBARD W. (ed.) Guide to Microreproduction Equipment: 1966 Supplement, 3d ed. National Micro-Film Ass., Annapolis, Md., 1966, 127 p.
509. Baltimore County Public Library to Study Cost and Service Aspects of Book and Card Catalogs. Recent Developments CLR (Council on Library Resources, no. 199, 15 Aug. 1966, 3 p.
510. BALZ, CHARLES F. & RICHARD H. STANWOOD (eds.) Literature on Information Retrieval and Machine Translation. 2nd ed. International Business Machines Corp., Federal Systems Div., Gaithersburg, Md., Jan. 1966, 168 p.
- (BARLOW, H. B. see Ref. 990 m)
- (BARUCH, JORDAN J. see Ref. 597 f)
511. BATTEN, W. E. Information Retrieval--the Economic Aspect. J. Doc., 22 (June 1966) 87-92.
512. BAULDREAY, J. & L. JEEVES. System Effects on the Design of a Document Handling Mechanism and on Its Associated Optical Readers. Joint Computer Conference, Eastbourne, 1966. Institution of Electrical Engineers Conference Publication, (GB), No. 19, 236-243.
- (BAUMAN, MILTON see Ref. 520 b)
- (BAXENDALE, PHYLLIS see Ref. 597 d)

- (BAYLOR, GEORGE W. & HERBERT A. SIMON see Ref. 489 i)
513. BELLMAN, R., R. KALABA, & L. ZADEH. Abstraction and Pattern Classification. J. Math. Anal. Appl., 13 (1966) 1-7.
- (BELTRAN, ALFRED A. see Ref. 520 c)
514. BENJAMIN, CURTIS G. Copyright and Government. Libr. J., 91 (15 Feb. 1966) 881-886.
515. BENNETT, A. E., et al. Towards the Development of Electronic Data-Processing Systems for Medical Records. Lancet, 2 (4 Dec. 1965) 1176-1178.
516. BERENSON, C. Where to Find Business Information. Chem. Eng., 73 (28 Feb. 1966) 118+.
517. BERGEN, DAN. Foundations of Access to Knowledge. Science, 151 (11 Feb. 1966) 711-712.
- (BERNARD, DAVID W., FRANK A. DIGILIO, FRANK V. THIEMANN, & RONALD F. BORELLI see Ref. 489 f)
518. BERNSTEIN, E. S., D. G. LAKHUTI, & V. S. CHERNIAVSKII. Criteria for Evaluation of Search Systems. 29 p., 21 refs. Order from SLA as TT-66-10312.
Trans. of: Nauchno-Tekhnicheskaya Informatsiya (USSR), No. 3 (1964) p. 22-32.
- (BERNSTEIN, L. & F. E. SLOJKOWSKI see Ref. 841 d)
- (BERNSTEIN, S. see Ref. 488 b)
- (BHIMANI, B. V. & J. L. DOLBY see Ref. 797 g)
- (BHIMANI, B. V., L. L. EARL, & R. O. MITCHELL see Ref. 797 f)
- (BHIMANI, B. V., R. D. MERRILL, R. R. MITCHELL, & M. R. STARK see Ref. 841 h)
519. BIAL, W. Computer Drives Character Display. Pt. 2. Design Electron., 3 (Feb. 1966) 30-33.
- (BITTNER, BRENDA P. see Ref. 520 d)
520. BLACK, DONALD V. (ed.) Proceedings of the 1966 ADI Annual Meeting. Adrianne Press, Woodland Hills, Calif., 1966. Contents:
- a. ALANEN, SALLY, FREDERICK G. KILGOUR, & DAVID E. SPARKS. A Computer-Monitored Library Technical Processing System.

520. BLACK, DONALD V. (ed.) (Cont'd)

- b. BAUMAN, MILTON. Computerized Composition as a Possible Tool of Information Retrieval.
- c. BELTRAN, ALFRED A. Information Retrieval Courses in an Industrial Organization.
- d. BITTNER, BRENDA P., IBEN BROWNING, & LEE F. PARMAN. Computer Interrogation of Efficiently Stored English Language Information Using the N-Tuple Pattern Recognition Technique.
- e. BLOOMFIELD, MASSE. A Study of Singular and Plural Words as Index Terms.
- f. CARNEY, GERALD J. Computer-Assisted Index Preparation.
- g. DOVEL, J. A., JR., J. HESTON HEALD. Project LEX Status.
- h. DOYLE, L. B. & D. A. BLANKENSHIP. Technical Advances in Automatic Classification.
- i. DUBON, R. J. Implementation of an International Information Retrieval Center.
- j. ENGLEBART, DOUGLAS C. Thinking with a Computer.
- k. FOX, R. S., R. L. McDANIEL, W. J. SANDERS, & CALVIN N. MOOERS. A Technique for Overcoming Lack of Standardization in Information Network Operation.
- l. GOODMAN, ARNOLD F. DOD User-Needs Study, Phase II: Structure for the Flow of Scientific and Technical Information Within the Defense Industry.
- m. GRIPPI, VINCENT. An Automatic Microfiche Camera Processor.
- n. HOADLEY, HOWARD W. A Storage Retrieval Display System for Microfiche.
- o. HOLZBAUER, FREDERICK W. & EDWARD K. PARKER. Selective Information Dissemination by Computer-Based Subject Category.
- p. HOOPER, ROBERT S. An Experiment in Indexing and Classifying the Literature of Documentation.

520. BLACK, DONALD V. (ed.) Proceedings of the 1966 ADI Annual Meeting. (Cont'd)

- q. HYSLOP, MARJORIE R. Joint Development of a Common Information System by Two Organizations Working in Different Disciplines.
- r. JAHODA, G., R. D. HUTCHINS, & D. M. MILLER. Analysis of Case Histories of Personal Index Use.
- s. KATTER, ROBERT V. Validating a Test of Document Representations.
- t. KILGOUR, FREDERICK G. Publication of Scientific Discovery: A Paradox.
- u. KING, D. W., & R. R. V. WIEDERKEHR. Cost Models for Determining Optimum Document Reproduction Policies at CFSTI.
- v. LIBBEY, MILES A. The Representation of Meaning to Computers.
- w. McNAMARA, J. & D. STONE. Machine Extracting Progress.
- x. MAGNINO, JOSEPH J., JR. IBM Technical Information Retrieval Center.
- y. MALONEY, CLIFFORD J. & MARTIN N. EPSTEIN. Progress in Internal Indexing.
- z. MARRON, H. & W. R. FOSTER. Subject Searches on Current Research Information of Parallel Computer and Manual Files.
- aa. MELTON, JESSICA S. Automatic Language Processing for Information Retrieval: Some Questions.
- bb. MERSEL, JULES & JOSEPH C. DONCHUE. Information Transfer in Educational Research.
- cc. MOTHERWELL, GEORGE M. CONDEX: A Technique for Automatic Sub-Documentary Indexing.
- dd. MULVIHILL, J. G. & E. H. BRENNER. Faceted Organization of a Thesaurus Vocabulary.
- ee. MURRILL, DONALD P. Microfilming and Encoding Laboratory Notebooks at the Philip Morris Research Center.
- ff. OLLE, T. W. Use of INFOL for Document Retrieval Applications.
- gg. OVERMYER, LAVAHN. The Evolution of a Computer-Produced Index for Diabetes Literature.

520. BLACK, DONALD V. (ed.) Proceedings of the 1966 ADI Annual Meeting. (Cont'd)
hh. PAPIER, LAWRENCE S. & THOMAS T. LIN. First Letter Frequency of Related Term References in Four Technical Thesauri.
- ii. PLATNICK, PHYLLIS. Proposal for Automating a Manuscript Repository.
- jj. REES, ALAN M. & TEFKO SARACEVIC. The Measurability of Relevance.
- kk. ROSENBERG, L. Information Retrieval as a Problem in Packaging.
- ll. SAGE, C. R. The Utilization of a National or Regional Current Awareness System for Retrospective Information Retrieval.
- mm. SARGENT, CHARLES W. AEMIS - Aerospace and Environmental Medicine Information System.
- nn. SCHULTZ, LOUISE. Reestablishing the Direct Interface Between an Abstracting and Indexing Service and Individual Clients.
- oo. SMITH, F. R. & S. O. JONES. Five Years in Focus--The Douglas Aircraft Company Mechanized Information System.
- pp. STANWOOD, RICHARD H. Some Observations on User Response to an SDI System.
- qq. TAGUE, JEAN. An Evaluation of Statistical Association Measures.
- rr. TAUBER, ALFRED S. Document Retrieval System Analysis and Design.
- ss. TOMPKINS, MARY L. & JOHN W. TUKEY. Permuted (Circularly-Shifted) Indexes to Abbreviations: A Mechanically Prepared Aid to Serial Identification.
- tt. URDANG, LAURENCE. The Use of Typographic Coding in Information Retrieval.
- uu. WALLACE, EVERETT M. User Requirements, Personal Indexes, and Computer Support.
- vv. WHEELER, FRANCIS M. The Human Value of the Computer as an Educational Tool.
- ww. WILSON, JOHN H. As We May Have Thought.

- (BLACK, DONALD V. & EARL A. FARLEY see Ref. 597 k)
- (BLEDSON, W. W. & I. BROWNING see Ref. 990 r)
- (BLIZARD, E. P., F. G. BRICKWEDDE, J. H. CRAWFORD, S. A. GOUDSMIT, A. HERSCHMAN, S. PASTERNAK, A. B. SMITH, & K. WAY see Ref. 984 c)
521. BLOOMFIELD, MASSE. Simulated Machine Indexing, Part 4: A Technique to Evaluate the Efficiency of Indexing. Spec. Libr., 57 (July-Aug. 1966) 400-403.
522. BLOOMFIELD, MASSE. The Writing Habits of Librarians. Coll. Res. Libr., 27 (Mar. 1966) 109-119.
- (BLOOMFIELD, MASSE see also Ref. 520 e)
523. BLUM, B. I. Free-Text Inputs to Utility Routines. Commun. ACM, 9 (July 1966) 525-526.
524. BOGER, LORISE C. The Development of Bibliographic Center in the West Virginia Region. Final Report (preliminary edition). West Virginia Univ., Library, Morgantown, 1966, 31 p. (PB-169 691).
525. BOLES, R., et al. Coding, Retrieval and Analysis of Laryngeal Cancer Data. Laryngoscope, 76 (Feb. 1966) 309-317.
- (BOND, L. see Ref. 488 c)
- (BONDI, A. see Ref. 487 e)
526. BONNEL, ULANE. La Déléguee à Paris: The Library of Congress Foreign Copying Program in France. Quart. J. Libr. Cong., 23 (July 1966) 187-203.
527. BORKO, HAROLD. Experimental Studies in Automated Document Classification. Libr. Sci. Slant Doc., (India) 3 (Mar. 1966) 88-98.
- (BORKO, HAROLD see also Ref. 973 a)
528. BORKO, HAROLD & H. P. BURNAUGH. Interactive Displays for Document Retrieval. System Development Corp., Santa Monica, Calif., 4 Aug. 1966, 25 p. (SP-2557).
529. BORNSTEIN, A. Information Transfer Standards. System Development Corp., Santa Monica, Calif., 25 Apr. 1966, 22 p. (TM-2941/000/00).
- (BOURNE, CHARLES P. see Ref. 597 g)

530. BOWLES, EDMUND A. The Humanities and the Computer: Some Current Research Problems. Comput. Automat., 15 (Apr. 1966) 24-27.
531. BOWMAN, C. M. Corporate Attack on Personal Files. Chem. Eng. Progr., 62 (May 1966) 85-88.
532. Box Finds a Memory for Film; Mosler's Selectriever. Bus. Week, (28 May 1966) 188.
533. BRACKEN, MARILYN C. & CHARLES W. SHILLING. Education and Training of Information Specialists in the U.S.A. Biological Sciences Communication Project, George Washington Univ., Washington, D.C., May 1966, 70 p. (BSCP Communique 24-66).
- (BRADY, E. L. see Ref. 488 d)
534. BRANDHORST, W. T. Simulation of Boolean Logic Constraints Through Use of Term Weights. Amer. Doc., 17 (July 1966) 145-146.
535. BRENNAN, MARTIN J. Keypunch Controls for String-Punching of Statistical Data. National Bureau of Standards, Washington, D.C., 11 Feb. 1966, 30 p. (NBS Tech. Note 282).
536. BRIERLEY, PETER. Librarian's Nightmare [similar titles among technical journals] Spec. Libr., 57 (Apr. 1966) 241-242.
537. British Establishing Medical Literature Retrieval System. Sci. Inform. Notes, 7 (Dec. 1965-Jan. 1966) 4.
538. BROCK, CLIFTON. English Translations of Foreign Social Science Materials. Libr. J., 91 (15 Apr. 1966) 1995-2002.
539. BRODMAN, ESTELLE. The Special Library, The Mirror of Its Society. J. Libr. Hist., 1 (Apr. 1966) 108-113, 124.
540. BROWN, H. G. Self-Sufficiency Paradox [Letter to the Editor] Libr. J., 91 (15 Feb. 1966) 870.
541. BROWN, S. C. Bibliographic Search by Computer. Phys. Today, 19 (May 1966) 59-61.
542. BROXIS, P. F. Faceted Classification and the Fine Arts. J. Doc., 22 (Mar. 1966) 40-54.
543. BRYANT, D. W. University Libraries and the Future. Libr. Ass. Rec., 68 (Jan. 1966) 2-8.

(BRYANT, J. H. & P. SEMPLE, JR. see Ref. 841 e)

544. BUCKLAND, LAWRENCE F. Problems of Recording Text Information in Machine Form for Use in a Scientific Information Communication Network. Inforonics, Inc., Maynard, Mass., 24 May 1966, 42 p. (NFS Contract 371, during period 15 June 64-31 Mar. 66)
545. BUNDY, MARY LEE. Conflict in Libraries. Coll. Res. Libr., 27 (July 1966) 253-262.
546. BUNGE, CHARLES A. Statewide Library Surveys and Plans: Development of the Concept and Some Recent Patterns. Libr. Quart., 36 (Jan. 1966) 25-37.
547. BURACK, ELMER H. The Impact of the Computer on Business Management. Bus. Quart., 31 (Spring 1966) 35-45.
548. BURCHINAL, LEE. G. & HAROLD A. HASWELL. How to Put Two and a Half Tons of Research into One Handy Little Box; Service by the Educational Research Information Center. Amer. Educ., 2 (Feb. 1966) 23-25.
549. BUREAU OF EMPLOYMENT SECURITY. Occupations in the Field of Library Science. Washington, D.C., 1966, 57 p.
550. BURKETT, J. (ed.). Special Library and Information Services in the United Kingdom. 2nd ed. The Library Association, London, 1965, 366 p.
(BURNAUGH, H. P. see Ref. 840 a)
(BURNS, B. DELISLE, W. HERON, & R. PRITCHARD see Ref. 990 n)
(BUSH, GEORGE P. & LOWELL H. HATTERY see Ref. 698 p)
(BUTLER, J. W., M. K. BUTLER, & AGNES STROUD see Ref. 641 d)
551. BUTLER, W. ROYCE. Acquisitions. Libr. J., 91 (1 May 1966) 2271-2274.
552. BUXBAUM, R. C., et al. An Information Retrieval System for Incoming Patients: Its Use in a Student Health Center. J. Amer. Coll. Health Ass., 14 (Feb. 1966) 169-176.
553. CACERES, C. A. International Biomedical Conference. Datamation, 12 (June 1966) 78, 80-81.
(CALVERY, A. L., W. G. CASTNER, C. I. MacDONALD, & R. E. PEERENVELOOM see Ref. 841 p)

554. CAMPBELL, JOHN B., JOHN P. McCABE, & ESSIE S. NEVANS. The Application of Large-Scale Computers to U.S. Air Force Information Systems; Final Report. General Electric Co., Washington, D.C., Mar. 1966, 68 p. (ESD. TR-66-137). (AD-629 867)
- (CANNING, RICHARD G. see Ref. 841 m)
555. CAREY, R. J. P. Finding and Using Technical Information. Edward Arnold, London, 1966, 159 p.
- (CARLSON, GARY see Ref. 489 b)
556. CARMODY, BASIL T. & PAUL E. JONES, JR. Automatic Derivation of Microsentences. Commun. ACM, 9 (June 1966) 443-449.
- (CARNEY, GERARD J. see Ref. 520 f)
- (CARPENTER, HARRY M. see Ref. 641 l)
557. CARR, R. T. Applying Knowledge to Practical Purposes. Chart. Mech. Eng., 13 (June 1966) 274-277, 279.
558. CARRINGTON, DAVID K. Bibliography of Library Cooperation. Spec. Libr., 57 (July-Aug. 1966) 395-399.
559. CARTER, LAUNOR F. The National Information Problem ... a Problem of Abundance. SDC Mag., 9 (Feb. 1966) 1-15.
560. CARTER, NORMAN H. & SIGFID W. KESSLER. Management Information Systems: Effect on Bank Management and their Potentials. Banking, 58 (May 1966) 44-46+.
561. CAS To Bring Out New Computer Service [on Polymer Science and Polymer Technology] Sci. Inform. Notes, 8 (Apr.-May 1966) 18.
- (CASSIRER, ERNST see Ref. 990 b)
562. CENTRAL INSTITUTE FOR SCIENTIFIC, TECHNICAL, AND ECONOMIC INFORMATION, WARSAW. Training Facilities in Documentation and Information Work. International Federation for Documentation, The Hague, Netherlands, 1966, 218 p. (FID Publication no. 393).
563. Central Reference Service for the Building Industry: Data Retrieval System to be Developed at Bath University. Survey. Munic. Eng., 127 (4 June 1966) 28.

564. CHAPIN, W. E., G. L. McCANN, & W. H. VEAZIE. Continuation of the Small-Scale Operation of a Transducer Information Center. Final technical rept., 1 Apr. 1965-31 Mar. 1966, Battelle Memorial Institute, Columbus, Ohio, Apr. 1966, 37 p. AFFDL TR-66-66. (AD-633 303)
565. Character Reader Comparison Chart. Datamation, 12 (Feb. 1966) 47-49.
566. CHEN, C. H. Computer Searching Criterion for Best Feature Set in Character Recognition. IEEE Proc., 53 (Dec. 1965) 2128-2129.
567. CHERRY, COLIN. On Human Communication: A Review, a Survey, and a Criticism. Rev. ed. M.I.T. Press, Cambridge, Mass., 1966.
568. CHESS, J. A Survey of Graphic Display Software for Off-Line Plotting. System Development Corp., Santa Monica, Calif., 25 Oct. 1965, 14 p. (TM-2699)
569. CHESSHIRE, H. A. Local Co-operation--A Positive Force. Aslib Proc., 18 (Apr. 1966) 92-107.
570. CHOMSKY, NOAM. Cartesian Linguistics: A Chapter in the History of Rationalist Thought. Harper and Row, New York, 1966, 119 p. (Studies in Language Series).
571. CHOMSKY, NOAM. Current Issues in Linguistic Theory. Humanities, New York, 1966, 119 p.
(Rev. expanded version of report presented to the session: 'The Logical Basis of Linguistic Theory,' Ninth Intl. Congress of Linguists, Cambridge, Mass., 1962).
572. CLAPP, VERNER W. Closing the Circuit: Automation and Data Processing for Libraries. Libr. J., 91 (1 Mar. 1966) 1165-1171.
"This paper was given at the First Governor's Library Conference, Albany, N.Y., June 24-25, 1965. It is reprinted ... from the Proceedings of that conference, issued by Governor Rockefeller's Office."
573. CLAPP, VERNER W. Lack of Machine-Readable Book Data Stymies Automation Advance, says CLR; Excerpts from Introduction to Report. Libr. J., 91 (15 Jan. 1966) 220.
574. CLAPP, VERNER W. Three Ages of Reference Work. Spec. Libr., 57 (July-Aug. 1966) 379-384.
Reprinted from: Bull. Louisiana Libr. Ass., 28 (Fall 1965) 82-89.
(CLARK, B. F. see Ref. 488 2)

(CLARK, B. F. & R. F. MAIZELL see Ref. 488 f)

575. CLARKE, ROBERT F. & H. G. CLARKE. Recent Trends of Biomedical Offprint Distribution. Bull. Med. Lib. Ass., 54 (Jan. 1966) 38-41.
576. CLAYDEN, D. O., M. B. CLOWES, & J. R. PARKS. Letter Recognition and the Segmentation of Running Text. Inform. Contr., 9 (June 1966) 246-264.

(CLIMENSON, W. DOUGLAS see Ref. 597 e)

577. COBLANS, HERBERT. Bibliographic Organization at the International Level. Wilson Libr. Bull., 40 (Apr. 1966) 733-737.

(COHN, W. E. see Ref. 488 g)

(COE, K. L., D. P. LEITER, JR., H. L. MORGAN, & F. R. WETSEL. see Ref. 487 f)

578. Computer Associative Memory Examined for Use in Chemical Information Retrieval. Sci. Inform. Notes, 8 (June-July 1966) 6.
579. Computer Memory to Aid the Printer. Engineering, 201 (28 Jan. 1966) 192.
580. COMPUTER RESEARCH CORPORATION. Time-Sharing System Scorecard, No. 3; A Survey of On-Line Multiple User Computer Systems. Newton, Mass., Spring 1966, 4 p.
581. Computers Challenge Cards in Library Cataloging Study; New York Public Library. Publ. Week, 189 (28 Feb. 1966) 71.

(CONDON, RICHARD A. see Ref. 641 n)

582. Conference Publications Committee Unanimous on Report to Council. Commun. ACM, 9 (June 1966) 461-462.
583. CONGRESS. HOUSE. COMMITTEE ON EDUCATION AND LABOR. SELECT SUBCOMMITTEE ON EDUCATION. Library Services and Construction Act Amendments, 1966: Hearings, April 19-25, 1966, on H. R. 14050 (1966) Washington, D.C., 1966, 147 p. (89th Congress, 2d session)
584. CONGRESS. HOUSE. COMMITTEE ON SCIENCE AND ASTRONAUTICS. The National Science Foundation; Its Present and Future: Report of the Committee on Science and Astronautics. Washington, D.C., 1966, 118 p. (Congress. 89th. House. Rept. no. 1236; Doc. no. 318).

585. CONGRESS. JOINT COMMITTEE ON PRINTING. Government Depository Libraries: The Present Law Governing Designated Depository Libraries. Revised. Washington, D.C., Jan. 1966, 33 p. (89th Congress, 2d session).
586. CONGRESS. SENATE. COMMITTEE ON LABOR AND PUBLIC WELFARE. Library Services and Construction Act Amendments: Hearing, May 20, 1966, on S. 2802, S. 2944, and S. 3076. Washington, D.C., 1966, 147 p. (89th Congress, 2d session).
- (CONNORS, THOMAS B. see Ref. 489 c)
- (CONRAD, C. C. see Ref. 488 h)
587. CONRAD, E. A. Techniques for Selecting, Evaluating & Compacting the Drug Literature. [American Medical Association] Amer. J. Hosp. Pharm., 23 (Feb. 1966) 60-63.
588. CONSTANTINESCU, P. Classification of a Set of Elements with Respect to a Set of Properties. Comput. J., 8 (Jan. 1966) 352-357.
589. COONS, STEVEN ANSON. Computer Graphics and Innovative Engineering Design. Datamation, 12 (May 1966) 32-34.
590. Co-operative Educational Abstracting Service Planned. UNESCO Bull. Libr., 20 (Jan. 1966) 44-45.
591. CORBIN, H. S. Survey of Cathode Ray Tube Display Consoles. Contr. Eng., 12 (Dec. 1965) 77-83.
- (CORBIN, HAROLD S. & WERNER L. FRANK see Ref. 841 s)
592. CORNELIUS, E. H. The Provision of Bio-Medical Literature: The Present Position and Future Possibilities. Postgrad. Med. J., 42 (Jan. 1966) 1-4.
593. CORNING, M. E. Translation Resources of the Foreign Drug Literature. Amer. J. Hosp. Pharm., 23 (Feb. 1966) 103-107.
- (CORRADO, VICTOR M. see Ref. 698 i)
594. COX, N. S. M., J. D. DEWS, & J. L. DOLBY. The Computer and the Library. University of Newcastle upon Tyne Library, 1966.
- (CRAIK, K. J. W. see Ref. 990 c)

596. CREAGER, WILLIAM A. & DAVID E. SPARKS. A Serials Data Program for Science and Technology; Final Report. Information Dynamics Corp., Wakefield, Mass., 1965, 190 p. (IDC-8521)
- (CREMONESI, FRANK see Ref. 698 k)
597. CUADRA, CARLOS A. (ed.) Annual Review of Information Science and Technology, (American Documentation Institute. Annual Review series, vol. 1). Interscience Publishers, New York, 1966, 351 p. Contents:
- a. CUADRA, CARLOS A. Introduction to the ADI Annual Review, p. 1-14.
 - b. TAYLOR, ROBERT S. Professional Aspects of Information Science and Technology, p. 15-40.
 - c. MENZEL, HERBERT. Information Needs and Uses in Science and Technology, p. 41-69.
 - d. BAXENDALE, PHYLLIS. Content Analysis, Specification and Control, p. 71-106.
 - e. CLIMENSON, W. DOUGLAS. File Organization and Search Techniques, p. 107-135.
 - f. SIMMONS, ROBERT F. Automated Language Processing, p. 137-169.
 - g. BOURNE, CHARLES P. Evaluation of Indexing Systems, p. 171-190.
 - h. ANNUAL REVIEW STAFF. New Hardware Developments, p. 191-220.
 - i. DAVIS, RUTH M. Man-Machine Communication, p. 221-254.
 - j. BARUCH, JORDAN J. Information System Applications, p. 255-271.
 - k. BLACK, DONALD V. & EARL A. FARLEY. Library Automation, p. 273-303.
 - l. SIMPSON, G. S., JR. & CAROLYN FLANAGAN. Information Centers and Services, p. 305-335.
 - m. SHERROD, JOHN. National Information Issues and Trends, p. 337-351.
598. CUADRA, CARLOS A. A Feasibility Study for Automated Fingerprint Identification. System Development Corp., Santa Monica, Calif., 13 June 1966, 64 p. (TM-3007)
- (CUADRA, CARLOS A., et al. see Ref. 968)
- (CUMMINGS, MARTIN M. see Ref. 487 g)

- (CURLEY, WALTER W. see Ref. 918 b)
599. DADDARIO, EMILIO Q. A Revised Charter for the Science Foundation. Science, 152 (1 Apr. 1966) 42-45.
- (DANIEL, EARL S. see Ref. 487 h)
- (DAVENPORT, W. C. & J. T. DICKMAN see Ref. 487 i)
600. DAVIS, JAMES. Which Copying Machine Will Best Meet Your Needs? Systems, 7 (Jan. 1966) 18-19, 47.
- (DAVIS, RUTH M. see Ref. 597 i)
- (DAY, MELVIN S. see Ref. 487 j)
601. DEARDEN, J. Myth of Real-Time Management Information. Harvard Bus. Rev., 44 (May/June 1966) 123-132.
602. DEARDEN, J. & F. W. McFARLAN. Management Information Systems; Text and Cases. University of Texas Press, Austin, 1966, 427 p.
603. De HAEN, P. Techniques for Selecting, Evaluating & Compacting the Drug Literature. Amer. J. Hosp. Pharm., 23 (Feb. 1966) 71-76.
604. DeHART, FLORENCE. The Application of Special Library Services and Techniques to the College Library. Coll. Res. Libr., 27 (Mar. 1966) 130-133, 152.
605. DEIGHTON, L. C. Future of Printing in a Data-Hungry Society; Summary of Address. Publ. Week., 189 (31 Jan. 1966) 55-60.
606. DEININGER, R. L., M. J. BILLINGTON, & R. R. RIESZ. The Display Mode and the Combination of Sequence Length and Alphabet Size as Factors in Keying Speed and Accuracy. IEEE Trans. Hum. Factors Electron., HFE-7 (Sept. 1966) 1-10.
- (De MAINE, P. A. D. & B. A. MARRON see Ref. 840 b)
- (DENNIS, BERNARD K. see Ref. 487 k)
- (DENNIS, SALLY F. see Ref. 840 c)
607. Design of a U.S. Medical Library System Examined. Sci. Inform. Notes, 7 (Dec. 1965 - Jan. 1966) 12.

608. Design of National Chemical Information System Underway. Sci. Inform. Notes, 8 (June-July 1966) 5-6.
609. DESMOND, W. F. & L. A. BARBER. Indexing and Classification: A Selected and Annotated Bibliography. Oak Ridge National Lab., May 1966, 356 p.
(DEUTSCH, J. A. see Ref. 990 i)
610. Dial-a-Computer Service that Responds Vocally Goes to First Industrial User [EDICT, Engineering Document Information Collection Technique] Bus. Week, (8 Jan. 1966) 112.
611. Dice May Be Newest Way to Classify Documents. Prod. Eng., 37 (23 May 1966) 93.
612. DOCUMENTATION RESEARCH AND TRAINING CENTER. Annual Seminar. 3. Depth Classification, Subject Heading. Bangalore, India, 1965, 496 p.
(DODWELL, P. C. see Ref. 990 j)
613. DOLBY, JAMES L. University Libraries and the Information Needs of the Researcher. 2: A Consumer's View. Aslib Proc., 18 (July 1966) 185-191.
614. DOLEZEL, LUBOMIR (ed.) Prague Studies in Mathematical Linguistics. Vol. 1: Statistical Linguistics, Algebraic Linguistics, Machine Translation. Univ. of Alabama Press, 1966, 240 p.
615. DONOHUE, JOSEPH C. Librarianship and the Science of Information. Amer. Doc., 17 (July 1966) 120-123.
616. DONOHUE, JOSEPH C. & N. E. KARIOTH. Coming of Age in Academe-- Information Science at 21. Amer. Doc., 17 (July 1966) 117-119.
617. The Douglas Way. Systems, 7 (July 1966) 35, 56-57.
(DOVEL, J. A., JR. & J. HESTON HEALD see Ref. 520 g)
618. DOWNS, ROBERT B. Doctoral Programs and Library Resources. Coll. Res. Libr., 27 (Mar. 1966) 123-129+.

619. DOWNS, ROBERT S. How to Do Library Research. Univ. of Illinois Press, Urbana, 1966, 198 p.
620. DOYLE, L. B. Breaking the Cost Barrier in Automatic Classification. System Development Corp., Santa Monica, Calif., 1 July 1966, 62 p. (SP-2516)
621. DOYLE, L. B. Perpetual User Studies, A Prerequisite for Management of Information on a National Scale. System Development Corp., Santa Monica, Calif., 1 Feb. 1966, 15 p. (SP-2105)
622. DOYLE, L. B. & D. BLANKENSHIP. Technical Advances in Automatic Classification. System Development Corp., Santa Monica, Calif., 12 p. (SP-2486) Also published in 1966 Proceedings of the American Documentation Institute. (Ref. 520 h)
623. DPMA Conference. Datamation, 12 (May 1966) 51, 53, 55, 57, 59.
624. DRAY, SHELDON. Information Exchange Group No. 5. Science, 153 (12 Aug. 1966) 694-695.
625. Drug Literature Program Established at NLM. Sci. Inform. Notes, 7 (Dec. 1965-Jan. 1966) 5-6.
(DUBON, R. J. see Ref. 520 i)
(DUGAN, J. A., R. S. GREEN, J. MINKER, & W. E. SHINDLE see Ref. 841 k)
626. DUNCAN, C. J. Computer Typesetting--Prospects for 1966. Print. Technol., 9 (Dec. 1965) 146-154.
627. DUNKIN, PAUL S. The People that Walked in Darkness. Libr. J., 91 (1 May 1966) 2267-2270.
628. Duty and Copyright Problems in Importing Books and Sheets. Publ. Week., 189 (9 May 1966) 40-43.
629. DYE, H. E., C. E. BLOOMQUIST, & C. H. WILMOT. Flight Control Data and Information Exchange Program. Part 1: Investigation of Need and Feasibility. Report for June 1964-Apr. 1965. Systems Technology, Inc., Inglewood, Calif., Nov. 1965, 58 p. AFFDL TR-65-120-Pt-1. (AD-626 923)
Prepared in cooperation with Planning Research Corp., Los Angeles, Calif., PRC-R-606.
630. DYKEMAN, F. C. New Techniques for a Management Information System. Fin. Exec., 34 (Mar. 1966) 46-.

631. DYMENT, R. How Xerox Finishes Copiers. Metal Finish., 64 (Feb. 1966) 57-60.
632. DZHOLOS, E. M., O. K. KUCHMII, I. I. RATTSEVA, & YU. A. SHREIDER. An Algorithm for Automatic Determination of Semantic Coordinates. 17 p., 11 refs. Order from SLA as TT-66-10311.
Trans. of: Nauchno-Tekhnicheskaya Informatsiya (USSR) No. 3 (1964) p. 29-34.

(EARL, L. L. see Ref. 797)
633. EATON, THELMA. Cataloging 500; The Principles of Book Description. Shadow Hill Press, North Egremont, Mass., 1966, 73 p.
634. EDWARDS, A. P. J. Professional Staff in Information Work--Some Facts and their Implications for the Future. Aslib Proc., 18 (Feb. 1966) 44-50.
635. Electronic Speechmaker; Dial Stock Quotations from American Stock Exchange. Electr. World, 75 (June 1966) 68.
636. ELIAS, ARTHUR W. Techniques for Selecting, Evaluating & Compacting the Drugs Literature. Amer. J. Hosp. Pharm., 23 (Feb. 1966) 76-83.

(ELIAS, ARTHUR W. see also Ref. 973 b)
637. ELROD, J. McREE. The Staffing of Technical Processes. Libr. J., 91 (1 May 1966) 2275-2277.

(ELLSWORTH, RALPH. see Ref. 658)
638. Encyclopedia of Information Sciences to be Published. Sci. Inform. Notes, 8 (June-July 1966) 14.
639. Engineering Firm Says It Can Prepare Specifications in Half the Time. Civil Eng., 36 (Jan. 1966) 56-57.
640. Engineering Index Automation Project to Provide Improved Information Service. Sci. Inform. Notes, 8 (June-July 1966) 10.

(ENGLEBART, DOUGLAS C. see Ref. 520 j)
641. ENSLEIN, KURT & JOHN F. KINSLOW (eds.) Data Acquisition and Processing in Biology and Medicine, vol. 4. Proceedings of the 1964 Rochester Conference. Pergamon Press, Oxford, New York, 1966, 252 p. Contents:

a. PETERS, J. M., I. AXELROD, & G. A. ALBRIGHT. Physiological Data Acquisition and Processing for a Stress-in-Learning Study, p. 7-22.

641. ENSLEIN, KURT & JOHN F. KINSLOW (eds.) Data Acquisition and Processing in Biology and Medicine, vol. 4. (Continued)

- b. KING, PAUL & HOWARD APPLE. Computer-Oriented Study of Human Metabolism, p. 23-36.
- c. MOORE, RICHARD & TIMOTHY WELLS. The Use of a Computer for the Reduction of Ultracentrifuge Data, p. 37-45.
- d. BUTLER, J. W., M. K. BUTLER, & AGNES STROUD. Automatic Classification of Chromosomes--II, p. 47-57.
- e. LUSTED, LEE B. & C. W. De LANNOY. Computer-Based Colony Records System for the Oregon Regional Primate Research Center, p. 61-65.
- f. HOFFMANN, ROBERT G., M. E. WAID, ELEANOR TORADO, & ROBERT ALSTON. Retrieving and Processing Medical Measurement Data, p. 67-76.
- g. STILLE, W. T. Retrieval System for Eastman-Kodak Company Mortality Experience, p. 77-96.
- h. LEVITT, DONALD G. & PATRICIA S. HURD. Data Manipulation in Investigational New Drug Applications, p. 99-109.
- i. MARTIN, ERIC W. & ROBERT J. LEMBACH. Computerization of a Pharmaceutical Manufacturer, p. 111-130.
- j. WOLFF-TERROINE, MADELINE. Study of Medical Documentation Center of Medium Size: 12,000 Records Per Year, p. 131-138.
- k. HARWAY, NORMAN I. & HOWARD P. IKER. Objective Content Analysis of Psychotherapy by Computer, p. 139-151.
- l. CARPENTER, HARRY M. The Term Matrix Data System, p. 155-163.
- m. SCHWARTZ, EUGENE S. Methods of Microglossary Analysis, p. 165-177.
- n. CONDON, RICHARD A. Mechanized Image Systems, p. 179-188.
- o. LARKS, SAUL D. & GOLDA G. LARKS. Acquisition and Processing of Fetal Cardiac Data: Electrical Axis of the Fetal Heart, p. 191-202.
- p. KENDALL, BENJAMIN & DAVID M. FARELL. Observation of Fetal Heart Rate During Cesarean Section, p. 203-211.

641. (Continued)

q. LOWRY, KARL. Cortical Auditory Response in Humans, p. 215-219.

r. AGALIDES, EUGENE, JORGE BERNARDIN, & ROLAND ZINSMEISTER.
Information Processing by Electric Fishes, p. 221-245.

(ESHELMAN, WILLIAM R. see Ref. 658)

642. EVANS, MARSHALL K. How to Get the Right Information in the Right Place, at the Right Time. Manage. Rev., 55 (Aug. 1966) 33-41.

(EVANS, WILLIAM H. see Ref. 487 f)

643. FAIRTHORNE, ROBERT. Who Pilots the Hovercraft? [Letter] J. Doc., 22 (June 1966) 146.

(FALLON, F. see Ref. 488 i)

(FARLEY, W. E., A. H. PULIDO, T. M. MINCKLER, & L. D. CADY see Ref. 841 f)

644. FARRIS, R. N. Computers Cut the Cost of Literature Searches. Chem Eng. Prog., 62 (May 1966) 89-91.

645. FEIDELMAN, LAWRENCE A. A Survey of the Character Recognition Field. Datamation, 12 (Feb. 1966) 45-47, 50, 52.

646. FELLOWES, JOHN. Records Storage Cost Analysis. Systems, 7 (May 1966) 18, 23, 46.

647. FIALA, F. T. Time-Sharing Operations and Management. System Development Corp., Santa Monica, Calif., 30 Mar. 1966, 16 p. (SP-2417)

648. FINERMAN, AARON & LEE REVENS (eds.) Permuted and Subject Index to "Computing Reviews," 1964-1965. Association for Computing Machinery, New York, 1966, 241 p.

649. FINK, C. DENNIS. Projected Manpower Needs, and Projected Training Requirements for Operators and Users of Future STINFO Systems. The George Washington University, Human Resources Research Office, Washington, D.C., June 1966, 40 p. (Tech. Report 66-7) (AD-635 132)

650. FINKE, WALTER W. Information: Dilemma or Deliverance? Comp. Automat., 15 (Aug. 1966) 22-25.

651. First Contract for LC Catalog Project Goes to United Aircraft Center. Libr. J., 91 (1 Apr. 1966) 1858.

652. FISHER, D. L. Data Documentation and Decision Tables. Commun. ACM, 9 (Jan. 1966) 26-31.
653. FLEISHMAN, T. Current Results from the Analysis of Cost Data for Computer Programming. System Development Corp., Santa Monica, Calif., 26 July 1966, 97 p. (TM-3026/000/01)
- (FLETCHER, J. H. see Ref. 488 j)
- (FORBES, EDWARD J. see Ref. 698 m)
- (FORD, ROBERT see Ref. 973 c)
654. Foreign Geology Research to be Abstracted by New Service. Sci. Inform. Notes, 8 (June-July 1966) 11.
655. FORSYTH, KENNA & MARY Y. PARR. Library Technicians at Drexel. Coll. Res. Libr., 27 (Mar. 1966) 120-122.
- (FOSSUM, EARL G. see Ref. 840 d)
- (FOX, R. B. see Ref. 488 k)
- (FOX, R. S., R. L. McDANIEL, W. J. SANDERS, & CALVIN N. MOOERS see Ref. 520 k)
656. FRANCKE, D. E. The Role of the Pharmacist as a Drug Information Specialist. Amer. J. Hosp. Pharm., 23 (Feb. 1966) 49.
657. FRANKLIN, DAVID. Reversible Punctuation Russian Transliteration. Amer. Doc., 17 (July 1966) 142-145.
658. FRANKLIN, ROBERT, JERROLD ORNE, ROGER H. McDONOUGH, RALPH ELLSWORTH, KARL NYREN, WILLIAM R. ESHELMAN, F. WILLIAM SUMMERS, ROBERT K. JOHNSON, DONALD M. POWELL, RUDOLPH H. GJELSNES, ERVIN J. GAINES, & HERBERT F. MUTSCHLER. Library Education and the Talent Storage. Lj polls library administrators for their views. Libr. J., 91 (1 Apr. 1966) 1761-1773.
- (FRANKS, E. W. see Ref. 489 a)
659. FREAR, DONALD E. H. Survey of European Non-Conventional Chemical Notation Systems. National Academy of Sciences--National Research Council, Washington, D.C., 1965, 78 p. (Publication 1278)
- (FREEMAN, MONROE E. see Ref. 487 m)

660. FREEMAN, ROBERT R. Research Project for the Evaluation of the UDC as the Indexing Language for a Mechanized Reference Retrieval System: Progress Report for the Period July 1, 1965-Jan. 31, 1966. American Institute of Physics, Documentation Research Project, New York, 1 Feb. 1966. (Report AIP/DRP UDC-2) (NSF Grant GN-433)
661. FREIDUS, THELMA. Will the Real Reference Problem Please Stand Up? Libr. J., 91 (15 Apr. 1966) 2008-2012.
662. FRIED, LOUIS. The Post-Implementation Feasibility Study. Datamation, 12 (Jan. 1966) 47-50.
663. FROLOV, A. & Z. BALABANOVA. The Language of Machines (And) a Fund of Algorithms and Programs. Recent Developments in Machine Language and Data Processing. 13 Dec. 1965, 8 p. JPRS-33289. Order from CFSTI, SLA, or ETC as TT-65-33864.
Trans. of: Ekonomicheskaya Gazeta (USSR) No. 43 (1965) p. 22.
664. FROME, JULIUS. The Effects of Information Storage and Retrieval Techniques and Computers on Problems of Patentability. J. Chem. Doc., 6 (May 1966) 66-71.
665. FRY, BERNARD M. Information in the Market Place. ADI Newslett., 5 (Mar.- Apr. 1966) 1, 10.
(FRY, BERNARD M. see also Ref. 487 n)
666. The Gadfly of the Education Act. Libr. J., 91 (15 Feb. 1966) 1020-1024.
667. GAIFMAN, HAIM. The Equivalence of Context-Free Phrase Structure Grammars and Categorical Grammars. Hebrew Univ., Jerusalem, Israel, July 1965, 22 p. Report no. TR-19. (AD-631 862)
668. GAINES, ERVIN J. The Reference Librarian in an Urban Public Library. Libr. J., 91 (15 Apr. 1966) 2003-2007.
(GAINES, ERVIN J. see also Ref. 658)
(GALLAGHER, JOAN L. see Ref. 487 o)
(GARDNER, ARTHUR E. see Ref. 698 v)
669. GARFIELD, EUGENE. Patent Citation Indexing and the Notions of Novelty, Similarity, and Relevance. J. Chem. Doc., 6 (May 1966) 63-65.
(GARFIELD, EUGENE see also Ref. 487 p.)

670. GARNER, S. J. The Control of IBM Product Documentation. Joint Computer Conference, Eastbourne. (1966) Institution of Electrical Engineers Conference Publication, (GB), No. 19, 103-110.
(GARVIN, D. see Ref. 488.)
671. GARVIS, FRANCIS J. The UCLA MEDLARS Computer System. Bull. Med. Libr. Ass., 54 (Jan. 1966) 14-15.
672. GATE Information Center Goes On-Stream. Gas, 42: suppl. (Mar. 1966) 1-3+.
(GATTO, JAMES J. see Ref. 489 e)
673. GE Will Market its Knowhow Commercially [Venture to be Known as EMPIS, Engineering Materials and Processes Information Service] Bus. Week, (19 Feb. 1966) 138.
674. GENERAL ELECTRIC COMPANY. MILITARY COMMUNICATIONS DEPT. Matrix Controlled Display Device. Phase II. Final Engineering Report, 5 Jan. 1965-5 Mar. 1966. Oklahoma City, Okla., 25 May 1966, 94 p. (AD-633 358)
675. General Electric Offers a Complete Materials and Processes Information System. Mater. Design Eng., 63 (May 1966) 105.
(GENTIEU, PHYLLIS V. see Ref. 973 d)
676. GEST, J. [The Realization of a Documentation Research Service in a Cancer Control Center] Maroc Med., 45 (Jan. 1966) 39-44.
677. GIBBS, DAVID P. The Age of Integrated Communications. Signal, 20 (Jan. 1966) 18-20.
678. GINSBURG, SEYMOUR & MICHAEL A. HARRISON. Bracketed Context Free Languages. System Development Corp., Santa Monica, Calif., 4 Jan. 1966, 38 p. (TM-738/023/00) AFCRL 66-109 (AD-613 337)
(GJELSNES, RUDOLPH H. see Ref. 658)
679. GLASBY, DOROTHY JOENS. New Periodicals of 1965--Part II. Coll. Res. Libr., 27 (Mar. 1966) 134-141.
(GOODMAN, ARNOLD F. see Ref. 520.)

680. GOLD, E. MARK. Language Identification in the Limit. Revised ed. Institute for Mathematical Studies in the Social Sciences, Stanford Univ., Calif., Dec. 1965, 34 p. AFOSR 66-0419 (AD-631 779)
681. GRANT, E. E. An Empirical Comparison of On-Line and Off-Line Debugging. System Development Corp., Santa Monica, Calif., 18 May 1966, 16 p. SP-2441)
682. Grant Given Association of Universities and Colleges of Canada to Aid Comprehensive Study of Academic Libraries. Recent Developments CLR (Council on Library Resources) no. 197, 25 July 1966, 1 p.
683. Grant Given to Los Angeles County Public Library to Enable It to Study Computerized Techniques. Recent Developments CLR (Council on Library Resources) no. 194, 24 June 1966, 2 p.
684. GREENBERG, D. S. Daddario Study Says NSF Should Be in Forefront of Policymaking. Science, 151 (14 Jan. 1966) 177-179.
685. GREER, F. L. User Vocabulary in Thesaurus Development. Percept. Motor Skills, 21 (Dec. 1965) 827-837.
- (GRIMSDALE, R. L., F. H. SUMNER, C. J. TUNIS, & T. KILBURN see Ref. 990 s)
- (GRIPPI, VINCENT see Ref. 520 m)
686. GROBMAN, ARNOLD B. Grants and Copyrights. Science, 151 (21 Jan. 1966) 281.
687. GROVE, ALEXANDER C. International Standardization--Interface with the Future. IEEE Spectrum, 3 (Aug. 1966) 91-101.
688. GUERRERO, E. T., et al. Methods of Making Petroleum Engineers Aware of New Technology. J. Petrol. Technol., 18 (May 1966) 569-575.
689. HAGEN, C. B. An Information Retrieval System for Maps. UNESCO Bull. Libr., 20 (Jan. - Feb. 1966) 30-35.
690. HAKE, D. L. Selective Reporting of Scientific and Technical Information. Res./Develop., 17 (Feb. 1966) 35-37.

(HAKE, HAROLD W. see Ref. 990 h)

691. HALL, A. T. The Transfer of a Card Catalogue to Sheaf Slips, Using the Xerox 914. J. Doc., 22 (June 1966) 144-145.

(HALL, R. M. S. see Ref. 488 m)

692. HALSTED, C. Improving the Information Flow Rate Between Man and Machine. Electron. Ind., 25 (Apr. 1966) 62-66.

693. HAMMIDI, IBRAHIM, LILLIAM DRESHER, & CAROL S. WADE. Survey of Life Sciences Computer Programs. Final report, 15 July 1963-14 July 1964. Thomas J. Watson Research Center, Yorktown Heights, N.Y., Nov. 1965, 181 p. AMRL TR-65-113. (AD-627 152)

694. HAMP, ERIC, FRED W. HOUSEHOLDER, & ROBERT AUSTERLITZ (eds.) Readings in Linguistics II. University of Chicago Press, Chicago, 1966, 395 p.

695. Hardware, Software and Doctor-Wear. Manitoba Med. Rev., 46 (Mar. 1966) 219-221.

696. HARLEY, A. J., et al. MEDLARS Information Retrieval in Britain. Postgrad. Med. J., 42 (Feb. 1966) 69-73.

(HARVARD UNIVERSITY COMPUTATION LABORATORY see Ref. 905)

697. HARRIS, KATHERINE G. & EUGENE B. JACKSON (eds.) Library Service to Industry. Libr. Trends, 14 (Jan. 1966) 223-361.

(HARWAY, NORMAN I. & HOWARD P. IKER see Ref. 641 k)

698. HATTERY, LOWELL H. & GEORGE P. BUSH (eds.) Automation and Electronics in Publishing. Spartan Books, Washington and New York, 1965, 206 p. (American University. Technology of Management Series, vol. 3. Paul W. Howerton, General Editor). Contents:

- a. HATTERY, LOWELL H. Definition and Scope, p. 3-6.
- b. LEWIS, WILLMOTT, JR. Electronic Computer Experience: A Daily Newspaper, p. 9-15.
- c. WHITE, RONALD A. Computer Systems and Newspaper Production, p. 17-25.
- d. KUNEY, JOSEPH H. Computers and Scientific Periodicals, p. 27-37.
- e. HOLLIDAY, ALAN S. Computers in Book Composition, p. 39-46.

698. (Continued)

- f. MARKUS, JOHN. Computer Experience: Directory Production, p. 47-60.
- g. AUSTIN, CHARLES J. Experience with the GRACE System, p. 61-70.
- h. ROSSELL, ROBERT E. Trends in Printing Technology, p. 73-80.
- i. CORRADO, VICTOR M. Experience in Development of an Electronic Photocomposer, p. 81-90.
- j. ANDERSSON, P. L. Compatibility of Input and Output Devices, p. 91-101.
- k. CREMONESI, FRANK. Employee Unions and Automation, p. 105-121.
- l. GARDNER, ARTHUR E. Economics of Automated Printing, p. 123-127.
- m. FORBES, EDWARD J. A Graphic Method of Economic Feasibility Analysis, p. 129-140.
- n. MUHLBACH, ROBERT P. Development of Lexical-Graphical Composer-Printer (LGP) System Within the Air Force, p. 141-148.
- o. SEYBOLD, JOHN W. Between Here and Someday, p. 149-156.
- p. BUSH, GEORGE P. & LOWELL H. HATTERY. Topical Commentary, p. 159-178.

- 699. HAVLIK, R. J. Federal Assistance to Special Libraries. ALA Bull., 60 (Feb. 1966) 166-168.
- 700. HAWKES, H. E. The Literature of Geology. Washington, D.C., 21 Mar. 1966, 26 p. (NAS/NRC Task order no. 71. A Study of Scientific Publications in the Geological Sciences.) NSF Contract C-310.
- 701. HAWKINS, C. K., et al. Uncertainty, Importance, and Arousal as Determinants of Pre-Decisional Information Search. Psychol. Reports, 17 (Dec. 1965) 781-800.
- 702. HEAD, ROBERT V. The Banking Information Concept. Commun. ACM, 9 (July 1966) 491-496.
- 703. HEALD, HESTON. Progress Report: Project LEX Plus Thesauri. ADI Newslett., 5 (July-Aug. 1966) 5.

704. HEALD, J. HESTON, et al. DOD Manual for Building a Technical Thesaurus. Office of Naval Research, Project LEX, Apr. 1966, 28 p. In coordination with DOD and other representatives, and the Engineers Joint Council. (AD-633 279)
- (HEIDEREDER, M. ANN & ESTHER SWANKER see Ref. 918 c)
- (HEINER, JOSEPH A., JR. & REED O. LEISHMAN see Ref. 841 j)
705. HENDERSON, M. M., et al. Cooperation, Convertibility, and Compatibility Among Information Systems: A Literature Review. National Bureau of Standards, Washington, D.C., June 1966, 144 p. (NBS-MP-276)
- (HENSEL, JOHN see Ref. 801)
706. HERBERT, EVAN. Can a Responsible Agent be Licensed to Kill Living Information? Int. Sci. Technol., no. 51 (Mar. 1966) 25.
707. HERBERT, EVAN. Information Transfer. Int. Sci. Technol., no. 51 (Mar. 1966) 26-37.
708. HERBERT, J., JR. Reading and Writing with Electron Beams. Electronics, 39 (30 May 1966) 80-89.
709. HERDAN, GUSTAV. The Advanced Theory of Language as Choice and Chance. Springer-Verlag, New York, 1966, 459 p. (Kommunikation und Kybernetik in Einzeldarstellungen, Herausgegeben von H. Wolter und W. D. Keidel, Band 4).
- (HERNER, SAUL see Refs. 487 q and 973 e)
710. HERTZ, D. B. Developing a Computerized Management Information System. Manage. Rev., 55 (Apr. 1966) 61-64.
711. HILGENDORF, LINDEN. Information Input and Response Time. Ergonomics, 9 (Jan. 1966) 31-37.
712. HILL, L. The Medical Library Crisis: Billings to MEDLARS. J. Med. Educ., 41 (Jan. 1966) 80-84.
713. HILLMAN, DONALD J. Document Retrieval Theory, Relevance, and the Methodology of Evaluation. Report No. 1: Characterization and Connectivity. Center for the Information Sciences, Lehigh Univ., Bethlehem, Pa., 24 May 1966, 41 p.

714. HILTON, W. RALPH & DONALD J. HILLMAN. Document Retrieval Theory, Relevance, and the Methodology of Evaluation. Report no. 2: The Structure of LECOM. Center for the Information Sciences, Lehigh Univ., Bethlehem, Pa., 29 June 1966, 17 p. NSF Grant No. GN-451.
715. HILTON, W. RALPH. LECOM Programming Manual. Lehigh Univ., 1966.
(HINES, T. C. see Refs. 488 n and 973 f)
716. HIRSCHFELD, T. Quoting of Unpublished Reports. J. Optic. Soc. Amer., 56 (Feb. 1966) 256.
(HOADLEY, HOWARD W. see Ref. 520 n)
717. HOFFER, JOE R. Manual for a Hand-Sort Punch-Card System for Indexing Social Welfare Publications. 3rd rev. & enl. ed. National Conference on Social Welfare, Columbus, Ohio, 15 Jan. 1966, 81 p.
(HOFFMANN, ROBERT G., M. E. WAID, ELEANOR TORADO, & ROBERT ALSTON see Ref. 641 f)
(HOGAN, DOUGLAS L. see Ref. 731 c)
18. HOLLAND, P. V., et al. A Data Retrieval System for Blood Donor Information. Transfusion, 5 (Nov.-Dec. 1965) 543-549.
(HOLLIDAY, ALAN S. see Ref. 698 e)
19. HOLMES, ROGER. Some Observations on Stretching the Exhibit Dollar. Grid-Bull., 11 (Aug. 1966) 24-25, 50, 52.
20. HOLST, W. Mechanical Translation by Coordinate Indexing. Amer. Doc., 17 (July 1966) 140-141
(HOLZBAUR, FREDERICK W. & EDWARD K. PARKER see Ref. 520 o)
(HOOPER, ROBERT S. see Ref. 520 p)
21. HOSKINS, JOHN F. The Designer--His Relationship to the Printer. System Development Corp., Santa Monica, Calif., 8 Dec. 1965, 23 p. (SP-2284)
22. Hospital Information System. Digital Comput. Newslett., 18:2 (1966) 26-30.
23. Hospitals Share Computer to Aid Patient Service. Systems, 7 (June 1966) 12-14, 30, 39.

724. House Group Wants NSF to Coordinate Nation's Science Resources. Chem. Eng. News, 44 (17 Jan. 1966) 41.
725. The House that Microfilm Built. Systems, 7 (July 1966) 36, 57.
726. HOWARD, J. H. Electronic Information Displays for Management. American Data Processing, Inc., New York, July 1966.
- (HUBEL, D. H. & T. N. WIESEL see Ref. 990 o)
727. HUMENUK, STANLEY. Automatic Shelving and Book Retrieval: A Contribution Toward a Progressive Philosophy of Library Service for a Research Library. University of Illinois, Graduate School of Library Science, Urbana, Ill., Jan. 1966, 29 p. (Occasional paper no. 78).
- (HUMPHREY, ALLAN J. & SHELBY I. BRUMELLE see Ref. 841 p)
728. HYAMS, M. Foreign Patents Documentation. J. Chem. Doc., 6 (May 1966) 101-123.
729. HYDE, M. C. Collecting Information in the Chemical Industry. Chem. Brit., 2 (May 1966) 194-198.
- (HYSLOP, MARJORIE R. see Ref. 520 q)
- (HYSLOP, MARJORIE R. & H. DAVID CHAFE see Ref. 840 e)
730. ID Goes EDP. Systems, 7 (July 1966) 26, 55.
731. IEEE International Convention, New York, N.Y., 21-25 March 1966. 1966 IEEE International Convention Record, vol. 14, 12 Parts. Institute of Electrical and Electronics Engineers, New York, 1966. Contents (Partial):
- a. The Impact of Information Explosion on Communications for Military and Industry. (Summary of Panel) part 2, p. 51-52.
 - b. WIGINGTON, RONALD L. Graphics as Computer Input and Output, part 3, p. 86-90.
 - c. HOGAN, DOUGLAS L. Speech as Computer Input and Output, part 3, p. 91-93.
 - d. SENDERS, J. W. Quantitative Theories of Human Scanning Processes, part 6, p. 192.

731. (Continued)

- e. MILLS, RICHARD G. Man-Computer Interaction--Present and Future, part 6, p. 196-198.
- f. LUFKIN, J. F. & E. H. MILLER. The Reading Habits of Engineers in the Avionics Industry. (Abstract) part 11, p. 16.
- g. TRACEY, J. R. The Effect of Thematic Quantization on Expository Coherence, part 11, p. 17-42.
- h. Panel: Computer and Information Science in Electrical Engineering Education. (Abstract) part 11, p. 90.
- i. ALLAIS, D. C. The Problem of Too Many Measurements in Pattern Recognition and Prediction, part 7, p. 124-130.

732. Improvements in Hardware Performance. Datamation, 12 (Jan. 1966) 34.
733. Information Becomes a Hot Item [With the Aid of Computers, Old-Line Compilers of Data are Branching Out to Meet Growing Demand for High-Speed, Sophisticated Statistics.] Bus. Week (14 May 1966) 164-166.
734. Information Explosion Hits Our Libraries. Read. Dig., 88 (Apr. 1966) 153-155.
735. Information Science Research Program at Ohio State. Sci. Inform. Notes, 8 (June - July 1966) 5.
736. Integrated Information System. Digital Comput. Newslett., 18:2 (1966) 30-31.
737. INTERNATIONAL BUSINESS MACHINES CORPORATION. DATA PROCESSING DIVISION. Library Catalog Production with the 1050 System. (IBM Data Processing Application) White Plains, N.Y., 1966, 17 p. (E 20-0232-0)
738. International Survey of Major Indexing and Abstracting Services for Library Science and Documentation Published. Recent Developments CLR (Council on Library Resources) no. 193, 24 June 1966, 1 p.
739. It Can Print on Anything; Even on an Egg Yolk. Prod. Eng., 37 (11 Apr. 1966) 36.

(JAHODA, G., R. D. HUTCHINS, & D. M. MILLER see Ref. 520 r)

(JANDA, KENNETH see Ref. 841 /)

15 September 1966

-40-

TM-3008/002/00

740. JANEWAY, ELIZABETH. "The Toad Beneath the Harrow Knows ..." Libr. J., 91 (15 Feb. 1966) 887-891.
741. JANNING, EDWARD A. Operations of a Document Retrieval System Using a Controlled Vocabulary. Final summary report 1 Dec. 1964-30 Nov. 1965. Dayton Univ. Research Institute, Ohio, Mar. 1966, 28 p. AFML TT-66-36 (AD-633 614)
742. JEFFERSON, G. Library Co-operation. London House & Maxwell, New York, 1966, 160 p.
743. JEWELL, M. G. Port Information Centre to Serve Hauliers. Commer. Vehic., 40 (Mar. 1966) 60-61.
- (JOHNSON, E. R. see Ref. 488 o)
- (JOHNSON, ROBERT K. see Ref. 658)
744. JOHNSTON, MARJORIE. The Library Title: Progress Report. Libr. J., 91 (15 Feb. 1966) 1017-1019.
745. JOINT COMMITTEE ON THE UNION LIST OF SERIALS, INC. Final Report on the Third Edition of the Union List of Serials. Submitted by Howard Rovelstad, Chairman. Council on Library Resources, Inc., Washington, D.C., 1966, 52 p.
746. JOINT PUBLICATIONS RESEARCH SERVICE, Washington, D.C. Foreign Developments in Machine Translation and Information Processing.
- No. 178. VERONA, R. The Possibilities of Using a List of UDC Numbers for Coordinate Indexing. 29 Oct. 1965, 10 p. (JPRS-32648) Order from CFSTI, SLA, or ETC. as TT-65-33127. Trans. of: Studii si Cercetari de Geofizica (Rumania) n. 2, p. 137-143, 1965.
- No. 179. PASKIN, E. Information and Technical Progress. 9 Dec. 1965, 12 p. (JPRS-33244) Order from CFSTI, SLA, or ETC. as TT-65-33819. Trans. of: Planovoe Khozyaistvo (USSR) v. 42, n. 8, p. 9-16, 1965.
- No. 180. MELCHUK, I. A. Automatic Syntactic Analysis: Author's Preface, Foreword, Introduction, and Chapter 1. 5 Jan. 1966, 76 p. (JPRS-33582) Order from CFSTI, SLA, or ETC. as TT-66-30026. Trans. of: Avtomaticheskii Sintaksicheskii Analiz, Novosibirsk, 1964, 66 p.

747. JOOS, MARTIN (ed.) Readings in Linguistics I. 4th ed. Univ. of Chicago Press, Chicago, 1966.
748. JOPLIN, H. B. Accountant's Role in Managment Information Systems. J. Account., 121 (Mar. 1966) 43-46.
- (JOSEPH, R. D. & S. S. VIGLIONE see Ref. 489 k)
749. JUILLAND, ALPHONSE, P. M. H. EDWARDS, & ILEANA JUILLAND. Frequency Dictionary of Rumanian Words (Romance Languages & Their Structures, 1st s. R 1). Humanities Press, New York, 1966, 513 p.
750. KABRISKY, MATHEW. A Proposed Model for Visual Information Processing in the Human Brain. Univ. of Illinois Press, Urbana, 1966, 104 p.
751. KAPPEL, F. R. The Information Revolution: Every Manager's in It. Columbia J. World Bus., 1:1 (1966) 37-42.
752. KASMI, T. An Efficient Recognition and Syntax-Analysis Algorithm for Context-Free Languages. Illinois Univ., Coordinated Science Lab., Urbana, Mar. 1966, 52 p. Report no. R-257 (AD-631 692)
753. KASAMI, TADAO. A Note on Computing Time for Recognition of Languages Generated by Linear Grammars. Illinois Univ., Coordinated Science Lab, Urbana, Apr. 1966, 13 p. Report no. R-287 (AD-623 569)
- (KATTER, ROBERT V. see Ref. 520 s)
- (KATTER, ROBERT V., et al. see Ref. 967)
754. KAUFMAN, FELIX. Data Systems that Cross Company Boundaries. Harvard Bus. Rev., 44 (Jan. - Feb. 1966) 141-155.
- (KAUFMAN, SAMUEL see Ref. 841 q)
755. KAY, MARTIN. The Tabular Parser: A Parsing Program for Phrase Structure and Dependency. RAND Corp., Santa Monica, Calif., July 1966, 49 p. (RM-4933-PR)
756. KEBABIAN, PAUL B. The Distance to a Star: Subject Measurement of the Library of Congress and University of Florida Collections. Coll. Res. Libr., 27 (July 1966) 267-270.

757. KEEFER, C. S. A Physician Looks at Drug Information. Amer. J. Hosp. Pharm., 23 (Feb. 1966) 55-59.
(KENDALL, BENJAMIN & DAVID M. FARRELL see Ref. 641 p)
758. KILGOUR, FREDERICK G. Library Catalogue Production on Small Computers. Amer. Doc., 17 (July 1966) 124-131.
759. KILGOUR, FREDERICK G. Symbol-Manipulative Programming for Bibliographic Data Processing on Small Computers. Coll. Res. Libr., 27 (Mar. 1966) 95-98.
(KILGOUR, FREDERICK G. see also Ref. 520 t)
760. KIMBER, RICHARD T. Studies at The Queens University of Belfast on Real-Time Computer Control of Book Circulation. J. Doc., 22 (June 1966) 116-122.
(KING, D. W. & P. M. McDONNELL see Ref. 488 p)
(KING, D. W. & R. R. V. WIEDERKEHR see Ref. 520 u)
761. KING, G. W. Recording Information by Laser [Photostore] Discovery, 27 (Jan. 1966) 19-22.
(KING, PAUL & HOWARD APPLE see Ref. 641 b)
762. KINNEY, GLENN C. Studies in Display Legibility. MITRE CORP., Bedford, Mass., Dec. 1965, 28 p. (MTP-21)
(KIRSCHNER, STANLEY see Ref. 487 r)
(KIRSCHNER, STANLEY & STANLEY H. KRAVITZ see Ref. 487 s)
763. KLINGBIEL, PAUL H. & CHARLES R. JACOBS. DDC Descriptor Frequencies. Defense Documentation Center, Alexandria, Va., May 1966, 53 p.
(KNOX, WILLIAM T. see Ref. 948 a)
764. KOPTEV, A. Information and Data-Processing Equipment Recently Exhibited at USSR Exhibition of National Economic Achievements. 11 Jan. 1966, 12 p. JPRS-33688. Order from CFSTI, SLA, or ETC. as TT-66-30132.
Trans. of: Tekhnika i Vooruzhenie (USSR) n. 8, p. 72-79, 1965.

765. KOSMIDER, GARY, MARION YOUNG, & GLENN KINNEY. Studies in Display Symbol Legibility. Part VIII: Legibility of Common Five-Letter Words. MITRE Corp., Bedford, Mass., May 1966, 17 p. Report no. TM-4239-Pt-8. (AD-633 055)
766. KOURIS, M. Technical Information Retrieval and TAPPI Publications. Tappi, 49 (May 1966) suppl. 142A-143A.
767. KRIKELAS, JAMES. Library Statistics and the Measurement of Library Services. ALA Bull., 60 (May 1966) 494-499.
768. KRISHNAMCORTHY, B. & ROGER C. WOOD. Time-Shared Computer Operations with both Interarrival and Service Times Exponential. J. Ass. Comput. Mach., 13 (July 1966) 317-338.
769. KUEHLER, WOLF. On the Optimum Number of Frames per Microfiche. Amer. Doc., 17 (July 1966) 132-135.
770. KUENTZEL, L. E. Current Status of the CODEN Project. Spec. Libr., 57 (July - Aug. 1966) 404-406.
- (KUENTZEL, L. E. see also Ref. 488 q)
- (KUNEY, JOSEPH H., BERNARD G. LAZORCHAK, & STEPHEN W. WALCAVICH see Refs. 487 t and 689 d)
771. KURKI-SUONIO, REINO. On Top-to-Bottom Recognition and Left Recursion. Commun. ACM, 9 (July 1966) 527-528.
772. KURTH, R. Factors Influencing Inter-Plant Projects for Punch Card Organization in Industry. 17 Aug. 1965, 10 p. JPRS-31573. Order from CFSTI, SLA, or ETC. as TT-65-32069.
- Trans. of: Statistische Praxis (East Germany) v. 20, n. 5, p. 214-7, 1965.
773. KYLE, BARBARA R. F. Notes on Cataloguing in Special Libraries, with Special Emphasis on Author and Name Entries. J. Doc., 22 (Mar. 1966) 13-22.
774. LANCASTER, F. W. International Symposium on Relational Factors in Classification, June 9-11, 1966. ADI Newslett., 5 (July - Aug. 1966) 4.
- (LANCASTER, F. W. see also Ref. 487 u)

775. LANDAU, THOMAS (ed.) Encyclopaedia of Librarianship. 3rd rev. ed. Hafner Publ. Co., New York, 1966, 484 p.
776. LANE, GORHAM. Assessing the Undergraduates' Use of the University Library. Coll. Res. Libr., 27 (July 1966) 277-282.
777. LANGER, ELINOR. Peace Questionnaire: Soviets Seek Views of U.S. Scientists. Science, 153 (15 July 1966) 276-277.
- (LARKS, SAUL D. & GOLDA G. LARKS see Ref. 641 o)
778. LARSON, DON. Trials & Tribulations of a Convention Manager. Grid-Bull., 11 (Aug. 1966) 16-17, 44.
779. LC Centralized Cataloging Plans Highlighted at 67th ARL Meeting. Libr. J., 91 (15 Mar. 1966) 1374+.
- (LEDLEY, ROBERT S., JOHN JACOBSEN, MARILYN BELSON, JAMES B. WILSON, LOUIS ROTOLO, & THOMAS GOLAB see Ref. 489 h)
- (LEFKOVITZ, DAVID & CLARENCE T. VAN METER see Ref. 487 v)
- (LEFKOVITZ, DAVID & RUTH V. POWERS see Ref. 840 f)
780. LEONE, W. C. Choosing Punched Tape Readers. Automation, 13 (Apr. 1966) 99-104.
781. LEVIEN, ROGER E. Relational Data File II: Implementation. RAND Corp., Santa Monica, Calif., July 1966, 24 p. (P-3411)
- (LEVITT, DONALD G. & PATRICIA S. HURD see Ref. 641 h)
782. LEWIS, ROBERT F. The MEDLARS Project at the UCLA Biomedical Library. Bull. Med. Libr. Ass., 54 (Jan. 1966) 11-13.
783. LEWIS, THOMAS P. Tied with a Red Tape Ribbon; Knots in the NDEA Program. Libr. J., 91 (15 Apr. 1966) 2157-2161.
784. LEWIS, WILLIAM O. & COLLEY, A. G., JR. Magnetic Tape Unit Helps Law Publishers Meet Growth Problem. Publ. Week., 189 (4 Apr. 1966) 24-25.
- (LEWIS, WILLMOTT, JR. see Ref. 698 b)
785. LIBBEY, MILES A. The Use of Second Order Descriptors for Document Retrieval. MITRE Corp., Bedford, Mass., Feb. 1966, 41 p.

LIBBEY, MILES A. see also Ref. 520 v)

786. Library Automation Survey. Sci. Inform. Notes, 8 (June - July 1966) 9.
787. Library/Information Manpower Subject of Research Project. Sci. Inform. Notes, 8 (Apr. - May 1966) 11.
- (LIBRARY OF CONGRESS see Ref. 835)
788. Library [State Univ., Binghamton, N.Y.] Shifts to Computerized Circulation. Data Process. Educ., 5 (July/Aug. 1966) 11-12.
789. Library Study Reckons Catalog Conversion Cheap; National Union Catalog at the Library of Congress. Publ. Week., 189 (28 Feb. 1966) 71.
790. A Licensing System; A Proposal by the Authors League of America, Inc. Libr. J., 91 (15 Feb. 1966) 892-893.
791. Liebesny, F. Career Development. Aslib Proc., 18 (Jan. 1966) 23-26.
- (LINDAUER, DINAH S. see Ref. 918 a)
792. LINDE, RICHARD R. & PAUL E. CHANEY. Operational Management of Time-Sharing Systems. System Development Corp., Santa Monica, Calif., 6 June 1966, 30 p. (SP-2392)
793. LINDGAY, R. K. & JANE M. LINDGAY. Reaction Time and Serial Versus Parallel Information Processing. J. Exp. Psychol., 71 (Feb. 1966) 294-303.
794. LINE, MAURICE B. University Libraries and the Information Needs of the Researcher. 1: A Provider's View. Aslib Proc., 18 (July 1966) 178-184.
795. LINE, MAURICE B. & MAVIS TIDMARSH. Student Attitudes to the University Library: A Second Survey at Southampton University. J. Doc., 22 (June 1966) 123-135.
796. LIPMAN, A. M. & K. G. ROTH. Information System Keeps 'Em Rolling. [Mack's Information System] Systems, 7 (Feb. 1966) 28-29, 37-38.
797. LOCKHEED MISSILES & SPACE COMPANY. ELECTRONIC SCIENCES LABORATORY. Automatic Indexing and Abstracting. Annual progress report, part 1. B. D. Rudin, Principal Investigator. Palo Alto, Calif., Mar. 1966, 1 vol. (various paging) Report no. M-21-66-1-Pt. 1. (AD-632 241)
Contents:

797. LOCKHEED MISSILES & SPACE COMPANY. ELECTRONIC SCIENCES LABORATORY.
Automatic Indexing and Abstracting. (Continued)

Section 1: Application of English Word Morphology to Automatic
Indexing and Extracting.

- a. EARL, L. L. Structural Definition of Affixes from Multisyllable Words, p. 1-1--13.
- b. EARL, L. L. Part-of-Speech Implications of Affixes, p. 2-1--14.
- c. RESNIKOFF, H. L. & J. L. DOLBY. On the Inflection of Written English Adjectives, p. 3-1--15.
- d. EARL, L. L. Automatic Determination of Parts of Speech of English Words, p. 4-1--28.

Section 2: Automatic Indexing Using Combined Syntactic and Entropy
Selection Criteria.

- e. EARL, L. L. Progress Report on a Syntactic-Statistical Method for Automatic Indexing, p. 5-1--76.

Section 3: Studies in Phonetic English.

- f. BHIMANI, B. V., L. L. EARL, & R. O. MITCHELL. Statistics of Operationally Defined Homonyms of Elementary Words, p. 6-1--20.
- g. BHIMANI, B. V. & J. L. DOLBY. Acoustic Phonetic Transcription of Written English, p. 7-1--16.
- h. MITCHELL, R. P. Computer Study of Transcribed English Phonetics: A Progress Report, p. 8-1--13.

798. LOCKHEED MISSILES AND SPACE COMPANY. ELECTRONIC SCIENCES LABORATORY.
Automatic Indexing and Abstracting. Part 2: English Indexing of
Russian Technical Text. Annual progress report. B. D. Rudin,
Principal Investigator. Palo Alto, Calif., Mar. 1966, 72 p.
Report no. M-21-66-2-Pt.2. (AD-631 242)

(LOMBARDI, J. I. see Ref. 488 r)

(LOWRY, CHARLES DOAK see Ref. 487 w)

(LOWY, KARL see Ref. 641 q)

(LUFKIN, J. E. & E. H. MILLER see Ref. 731 f)

(LUSTED, LEE B. & C. W. De Lannoy see Ref. 641 e)

799. McARTHUR, D. W., JOHN HENSEL, & RAMSAY MOORE. The International Scene; Three Views of the World-Wide Spread of Microfilm Systems. Systems, 7 (Feb. 1966) 33-34, 35-36.
800. MCCARTHY, JOHN. Information. Sci. Amer., 215 (Sept. 1966) 64-73.
801. McCLURE, LUCILLE. Two Bibliographies: Technical Writing Books in Print; Phototypesetting. IEEE Trans. Eng. Writing Speech, EWS-8 (Dec. 1965) 67-70.
802. McCORMICK, A. & H. A. CARL. Library of Congress Assistance to the Nation's Libraries. ALA Bull., 60 (Feb. 1966) 159-163.
803. McCORMICK, BRUCE H. & A. M. RICHARDSON. Design Concepts for an Information Resource Center, with Option of an Attached Automated Laboratory. Dept. of Computer Science, Univ. of Illinois, Urbana, 15 Mar. 1966, 79 p. (Report no. 203)
- (McDONOUGH, ROGER H. see Ref. 658)
- (McGARVEY, A. R. see Ref. 488 s)
804. MacKAY, NEIL. The Hole in the Card; The Story of the Microfilm Aperture Card. Minnesota Mining and Manufacturing Co., St. Paul, 1966, 122 p.
- (McMAMARA, J. & D. STONE see Ref. 520 w)
805. McOUSTRA, C. J. C. Legal Protection for Computer Programs. Comput. J., 8 (Jan. 1966) 289-296.
- (MAGNINO, JOSEPH J., JR. see Ref. 520 x)
806. MAGNUSON, ROBERT A. Computer-Assisted Writing. Datamation, 12 (June 1966) 49-52, 57, 59.
807. MAITLAND, D. J. Storage and Retrieval of Pharmaceutical Abstracts. Comput. Bull., 9 (Mar. 1966) 159-161.
- (MAIZELL, R. E. see Ref. 488 t)

808. MALONEY, CLIFFORD J. & MARTIN EPSTEIN. Computer Assisted Primary Index Preparation. National Institutes of Health, Bethesda, Md., 29 July 1966, 21 p. (JCD-6038)

(MALONEY, CLIFFORD J. & MARTIN N. EPSTEIN see also Ref. 520 y)

809. MALONEY, ROY L. Portable Microvisual Systems. Fundamental Concepts of Information Retrieval and Display ... Using Microfilm, Video Tape, and Facsimile. Lederer, Street, and Zeus, Berkeley, Calif., 1966, 125 p.

810. Manufacturers of Optical Character Recognition Equipment. Electron. Ind., 24 (Dec. 1965) 68.

811. Marketing Intelligence Systems; A Distant Early Warning Line for Marketing Men. Bus. Manage., 29 (Jan. 1966) 32-34.

(MARKUS, JOHN see Ref. 698 f)

812. MARON, M. E. Relational Data File I: Design Philosophy. RAND Corp., Santa Monica, Calif., July 1966, 23 p. (P-3408)

813. MARRON, BEATRICE A., GLORIA R. BOLOTSKY, & STEPHEN J. TAUBER. Chemical Substructure Searching with Linear Notations. J. Chem. Doc., 6 (May 1966) 92-95.

(MARRON, H. & W. R. FOSTER see Ref. 520 z)

814. MARSHALL, LOUISE H. Behavioral Sciences: Vocabulary. Science, 153 (15 July 1966) 323-324.

(MARSHALL, W. H. & S. A. TALBOT see Ref. 990 k)

(MARTIN, ERIC W. & ROBERT J. LEMBACH see Ref. 641 i)

815. Maryland Classification Symposium has International All-Star Cast. Libr. J., 91 (1 June 1966) 2795.

816. Materials Data Retrieval at Your Fingertips. Metalwork. Prod., 110 (9 Mar. 1966) 72-73.

817. Materials Selection: Time Saving Index System. Design Compon. Eng., (10 Mar. 1966) 33-35.

(MATHEWS, WILLIAM D. see Ref. 840 i)

(MATTHEWS, F. W. & L. THOMSON see Ref. 488 u)

818. Medical Center Named MEDLARS Site. J. Med. Ass. Alabama, 35 (Apr. 1966) 838.
- (MEETHAM, A. R. see Ref. 841 r)
819. MEISTER, A. E. Information Storage, Especially a Regenerative Information Image Storage. 15 Nov. 1965, 31 p. Order from CFSTI, SLA, or ETC. as TT-65-64762.
- Trans. of Patent (Germany) 1 171 959. Patent Cl. 21a1-37/66, International Classification H03k; application filed 6 May 1958; application laid open for inspection 11 June 1964; priority claimed: United States of America, 7 May 1957 (657,572).
820. MELARAGNO, RALPH J. A Study of Two Methods for Adapting Self-Instructional Materials to Individual Differences. Final Report. System Development Corp., Santa Monica, Calif., 22 June 1966, 51 p. (TM-2932/000/01)
- (MELCHUK, I. A. see Ref. 746)
821. MELLOAN, GEORGE. Automation Backlash Speedy Office Machines Pour Out Enough Paper to Jury their Users. Wall St. J., 167+1 (28 Feb. 1966)
- (MELTON, JESSICA S. see Ref. 520 aa)
- (MENZEL, HERBERT see Ref. 597 c)
- (MERRITT, C. ALLEN & PAUL J. NELSON see Ref. 489 d)
- (MERSEL, JULES & JOSEPH C. DONOHUE see Ref. 520 bb)
822. MEYER, J. B. Documentation: Management's Right Arm. Data, 11 (Mar. 1966) 57-60.
823. Microfilm Readers and Microfilm Reader-Printers. Systems, 7 (Mar. 1966) 35-38, 40-41.
824. Microimage Sytem for Prolonged Viewing. Prod. Eng., 37 (14 Feb. 1966) 60.
825. Microrecording Subject of Investigation in U. K. Sci. Inform. Notes, (Dec. 1965 - Jan. 1966) 12.
826. MIKHALOV, A. L., A. I. CHERNYI, & GILYAREV. Organization of Scientific and Technical Information in the Communist World. 24 Jan. 1966, 97 p. ATD-66-11; AD-627 802. Order from CFSTI, SLA, or ETC.
- Trans. of mono.: Osnovy Nauchnoi Informatsii, Moscow, 1965, p. 494-544.

(MILLS, RICHARD G. see Ref. 733 e)

827. MINDER, THOMAS. Library Systems Analyst--A Job Description. Coll. Res. Libr., 27 (July 1966) 271-276.

828. MINSKY, MARVIN L. Artificial Intelligence. Sci. Amer., 215 (Sept. 1966) 246-252, 257-258, 260.

(MITCHELL, R. P. see Ref. 798 h)

829. Modified Tape-Recording Typewriter. NSRDS News, 2 p. Reprinted from: National Bureau of Standards Tech. News Bull., 50 (July 1966)

830. MONROE, MARGARET. New Patterns for Library Service. Libr. J., 91 (15 Mar. 1966) 1366-1370.

(MOORE, RICHARD & TIMOTHY WELLS see Ref. 642 c)

831. More on IR Networks. Inform. Retr. Lett., 1 (Mar. 1966) 1-2.

(MORGAN, H. L. & D. P. LEITER, JR. see Ref. 488 v)

(MORGAN, H. L., F. R. WETSEL, & D. J. WHITTINGHAM see Ref. 488 w)

832. MORPHIS, B. B., N. TORRETT, W. W. HUNTER, & F. K. BROOME. Computer Interpretation of Biological and Chemical Data. J. Chem. Doc., 6 (May 1966) 77-81.

(MORRIS, JAMES see Ref. 994 b)

833. MORSE, GRANT W. The Concise Guide to Library Research. Washington Square Press, New York, 198 p.

(MOTHERWELL, GEORGE M. see Ref. 520 cc)

834. MOUNTBATTEN, EARL. Controlling the Information Explosion. Radio Electron. Eng., 31 (Apr. 1966) 195-208.

(MUHLBACH, ROBERT P. see Ref. 698 n)

(MULVIHILL, J. G. & E. H. BRENNER see Ref. 520 dd)

835. MUMFORD, L. QUINCY. Annual Report of the Librarian of Congress for the Fiscal Year Ending June 30, 1965. Library of Congress, Washington, D.C., 1966, 177 p.

Summaries in: Wilson Libr. Bull., 40 (June 1966) 893; Libr. J., 91 (1 June 1966) 2786.

836. MUMFORD, L. QUINCY. Librarians and the Everlasting Now. Libr. J., 91 (15 Feb. 1966) 901-906.
- (MURRILL, DONALD P. see Ref. 520 ee)
- (MUTSCHLER, HERBERT F. see Ref. 658)
837. NARDIS [Navy Automated Research and Development Information System] is User and Computer Oriented. Navy Manage. Rev., 10 (Oct. 1965) 11.
838. NAS-NAE Committee on Sci/Tech Communications. ADI Newslett., 5 (Mar. 1966) 6.
839. NASA Speeds Technical Fallout to Industry [Technology Utilization Program]. Steel, 158 (4 Apr. 1966) 23-24.
840. NATIONAL COLLOQUIUM ON INFORMATION RETRIEVAL, 3rd, Philadelphia, Pa., 12-13 May 1966. Papers Presented (Proceedings to be Published):
- a. BURNAUGH, H. P. The BOLD (Bibliographic On-Line Display) System.
 - b. DeMAINE, P. A. D. & B. A. MARRON. The SOLAR System I. A General Method for Organizing and Searching Files.
 - c. DENNIS, SALLY F. The Design and Testing of a Fully Automatic Indexing-Searching System for Documents Consisting of Expository Text.
 - d. FOSSUM, EARL G. Associations and Thesaurus-Implicit Relationships.
 - e. HYSLOP, MARJORIE R. & H. DAVID CHAFE. User Appraisal of an Information System and Services Through a Program of Joint Applied Research.
 - f. LEFKOVITZ, DAVID & RUTH V. POWERS. A List-Structured Chemical Information Retrieval System.
 - g. LEVIEN, ROGER. Relational Data File II: Implementation.
 - h. MARON, M. E. Relational Data File I: Design Philosophy.
 - i. MATHEWS, WILLIAM D. The TIP Retrieval System at MIT.
 - j. NELSON, THEODORE H. Getting It Out of Our System.

NATIONAL COLLOQUIUM ON INFORMATION RETRIEVAL (Contd.)

- k. OLLE, T. W. INFOL, a Language for Generalized Information Storage and Retrieval Applications.
 - l. REES, ALAN M. & DOUGLAS G. SCHULTZ. Psychology and Information Retrieval.
 - m. SWANSON, ROWENA. Information System Networks--Let's Profit from What We Know.
841. NATIONAL CONFERENCE OF THE ASSOCIATION FOR COMPUTING MACHINERY, 21st, Los Angeles, Calif., 30 August - 1 September 1966. Proceedings. (A. C. M. Publication P-66) Contents (Partial):
- a. TAULBEE, ORRIN E. & JOHN T. WELCH, JR. A New Classification Theory Leading to Automatic Pattern Recognition, p. 63-67.
 - b. RAPHAEL, BERTRAM. Aspects and Applications of Symbol Manipulation, p. 69-74.
 - c. VER HOEF, EDWARD W. Design of a Multi-Level File Management System, p. 75-86.
 - d. BERNSTEIN, L. & F. E. SLOJKOWSKI. An Information System for the Coordination of Program Design, p. 87-96.
 - e. BRYANT, J. H. & PARLAN SEMPLE, JR. GIS and File Management. p. 97-107.
 - f. FARLEY, WILLIAM E., ALFRED H. PULIDO, TATE M. MINCKLER, & LEE D. CADY, JR. Man/Machine Communications in the Biological Medical Research Environment, p. 263-267.
 - g. YARNALL, STEPHEN R. & RICHARD A. KRONMAL. Computer Aids to Medical Diagnosis--Problems and Progress, p. 269-274.
 - h. BHIMANI, B. V., R. D. MERRILL, R. R. MITCHELL, & M. R. STARK. An Approach to Speech Synthesis and Recognition on a Digital Computer, p. 275-296.
 - i. TARTER, MICHAEL E. & RICHARD A. KRONMAL. Non-Uniform Key Distribution and Address Calculation Sorting, p. 331-337.
 - j. HEINER, JOSEPH A., JR. & REED O. LEISHMAN. A Generalized Random Extract Device, p. 339-345.

- k. DUGAN, JAMES A., ROBERT S. GREEN, JACK MINKER, & WARREN E. SHINDLE. A Study of the Utility of Hybrid Associative Processors, p. 347-360.
 - l. JANDA, KENNETH. Features of an Information System for Congress, p. 361-372.
 - m. CANNING, RICHARD G. Coming Changes in System Analysis and Design, p. 373-377.
 - n. TONGE, FRED. Artificial Intelligence, p. 379-382.
 - o. CALVERY, ANDREW L., WILLIAM G. CASTNER, CLARICE I. MACDONALD, & RUTH E. PEERENBOOM. The Mecca System--A Modified List Processing Application for Library Collections, p. 489-498.
 - p. HUMPHREY, ALLAN J. & SHELBY L. BRUMELLE. An Algorithm for Retrieving Indexed Documents and its Application, p. 499-504.
 - q. KAUFMAN, SAMUEL. The IBM Technical Information Retrieval Center (ITIRC) System Techniques and Applications, p. 505-512.
 - r. MEETHAM, A. R. Graph Separability and Word Grouping, p. 513-514.
 - s. CORBIN, HAROLD S. & WERNER L. FRANK. Display Oriented Computer Usage System, p. 515-520.
842. NELSON, G. J. The Copyrightability of Computer Programs. Ariz. Law Rev., 7:2 (1966) 204.
- (NELSON, THEODORE H. see 840 j)
843. The New Microfiche Standards. Systems, 7 (Jan. 1966) 35-36, 39.
844. NEWBERRY, T. L. & G. H. GRIMES. How to Set Up a Management Information Information and Control System in Your Plant. Textile World, 116 (Apr. 1966) 74-81.
845. Newly Published Handbook for Library Statistics Expected to Lead to More Meaningful Information. Recent Developments CLR (Council on Library Resources, no. 192, 17 June 1966, 2 p.
846. NEWMAN, SIMON M. FID Report. ADI Newsletter, 5 (Mar. 1966) 7.
847. NEWMAN, SIMON M. An Operative Information Retrieval System Based on Relational Factors. Washington, D.C., 1966, 36 p. (Preprint)
To be presented at International Symposium on Relational Factors in Classification, University of Maryland, College Park, 8-11 June 1966.

(NYREN, KARL see Ref. 658)

(OATFIELD, H. see Ref. 488 x)

(O'BLENESS, GEORGE see Ref. 973 g)

848. Oceanographers' Literature Needs Examined. Sci. Inform. Notes, 7 (Dec. 1965-Jan. 1966) 11.

849. ODDIS, J. A. Techniques for selecting, evaluating & compacting the drug literature. Amer. J. Hosp. Pharm., 23 (Feb. 1966) 67-71.

(O'DETTE, R. E. & S. W. TERRANT see Ref. 487 x)

850. OETTINGER, ANTHONY G. Mathematical Linguistics and Automatic Translation. Harvard Univ., Computation Lab., Cambridge, Mass., Dec. 1965, 285 p. (PB-169 252).

851. OETTINGER, ANTHONY G. The Uses of Computers in Science. Sci. Amer., 215 (Sept. 1966) 160-166, 168-170, 172.

852. OETTINGER, ANTHONY G. A Vision of Technology and Education. Commun. ACM, 9 (July 1966) 487-490.

(OFER, K. D., C. N. RICE, R. B. BOURNE, & S. W. LOGAN. see Ref. 487 y)

853. OLIVER, LAWRENCE H., CLAUDE MITCHELL, EDMUND W. FITZPATRICK, HERBERT JACOBSON. An Investigation of the Basic Processes Involved in the Manual Indexing of Scientific Documents. General Electric Co., Information Systems Operation, Bethesda, Md., 11 Feb. 1966, 1 vol. (PB 169 415/UZZ)

(OLLE, T. W. see Refs. 520 ff and 840 k)

854. OLSON, DEWEY E. A Shortcut to Disseminating Information. Electron. Ind., 25 (June 1966) 139-140.

(ONIK, H. & J. D. H. DONNAY. see Ref. 488 y)

(OPLER, ASCHER see Ref. 487 z)

855. Optical Scanning (& Facsimile). Systems, 7 (Feb. 1966) 15-16, 31.

(ORNE, JERROLD see Ref. 658)

6. OSWALT, H. Standardization of Terminology. (Letter) IEEE Spectrum, 3 (Aug. 1966) 91-101.
(OVERMYER, LAVAHN see Ref. 520 gg)
(PADUCHEVA, YE. V. see Ref. 925 a)
7. PAGE, IRVINE H. Priority. (Editorial); Priority and Recognition. Letters by Jerome M. Schneck; Curtis W. Sabrosky, and Charles G. Roland. Science, 151 (7 Jan. 1966) 33; (25 Mar. 1966) 1479-1480.
8. PAINTER, ANN F. Current Serials Duplication at the National Agricultural Library. Libr. Resour. Tech. Serv., 10 (Summer 1966) 284-289.
9. PAISLEY, WILLIAM J. & W. LEE RUGGELS. Choosing a Correlation Coefficient for Skewed (Communication Development) Data: An Empirical Comparison of Five Measures. Institute for Communication Research, Stanford Univ., Jan. 1966, 22 p.
0. PAPA ZIAN, P. Old Order and the New Breed, or, Will Automation Spoil Mel Dewey? ALA Bull., 60 (June 1966) 644-646.
1. PAPIER, LAWRENCE & THOMAS T. LIN. First Letter Frequency of Related Term References in Four Technical Thesauri. Chemical Research and Development Labs., Edgewood Arsenal, Md., Dec. 1965, 30 p. Rept. no. CRDL-Special-Pub-5-12. (AD-632 052)
2. PAPP, F. The Importance of Cybernetic Methods in the Field of Linguistics. 4 Feb. 1966, 16 p, 9 refs. JPRS-34013. Order from CFSTI or ETC. TT-66-30455.
Trans. of: Magyar Tudomany (Hungary) v. 10 (72), n. 11, p.704-14, 1965.
3. PARKINS, PHILLIS V. BioSciences Information Service of Biological Abstracts. Science, 152 (13 May 1966) 882-894.
4. PARKS, W. GEORGE. Gordon Research Conferences: Program for 1966. Science, 151 (11 Mar. 1966) 1249-1278.
(PASKIN, E. see Ref. 746)
5. PASTERNAK, S. Is Journal Publication Obsolescent? Phys. Today, 19 (May 1966) 38-43.
6. PATTERSON, ROBERT E. The Evolution of Records Retrieval. Systems, 7 (May 1966) 12-13, 40, 42.

867. PECK, D. Automated Record Keeping. Admin. Manage., 27 (Apr. 1966) 90-92, +.
- (PENNY, SAMUEL J. & JAMES H. BURKHARD see Ref. 488 j)
- (PEPPINSKY, RAY. see Ref. 984 d)
868. PERREAULT, JEAN P. Documentary Relevance and Structural Hierarchy. Amer. Doc., 17 (July 1966) 136-139.
- (PETERS, J. M., I. AXELROD, & G. A. ALBRIGHT see Ref. 641 a)
869. PETRUCCI, ARMANDO. Archives and Libraries: Possibilities of Collaboration. UNESCO Bull. Libr., 20 (Mar.-Apr. 1966) 65-70.
- (PIERCE, CHARLES SANDERS see Ref. 990 a)
870. PIERCE, JOHN R. New Means of Communication. IEEE Spectrum, 3 (August 1966) 62-65.
871. PIERCE, JOHN R. The Transmission of Computer Data. Sci. Amer., 215 (Sept. 1966) 144-150, 152, 154, 156.
872. Pilot Service for Machine Cataloging Announced by Mumford at ARL Meeting. Libr. J., 91 (15 Mar. 1966) 1376-1377.
- (PINZELIK, J. see Ref. 488 z)
873. PIZZICARA, D. J. Computers and Displays/Controls; State-of-the-Art Technology Studies. Report for 1 June 1965-31 Jan. 1966. Litton Systems Inc., Guidance and Control Systems Div., Woodland Hills, Calif., Feb. 1966, 395 p. Report no. Pub. 4902 (AD-631 663)
874. Plans for a Project to Set Up a Nationwide Investigation of Manpower Problems; University of Maryland School of Library and Information Services. Wilson Libr. Bull., 40 (Apr. 1966) 687.
- (PLATNICK, PHYLLIS see Ref. 520 ii)
875. POOLE, H. H. Fundamentals of Display Systems. Spartan Books, Washington, D.C., 1966, 416 p.
876. POOLE, HERBERT. Teletypewriters in Libraries: A State of the Art Report. Coll. Res. Libr., 27 (July 1966) 283-286, 290.

877. PCPOV, YU & YU PUKHNACHEV. 'Inforga-65' Exposition on Information and Organization. 29 Oct. 1965, 20 p. JPRS-32628. Order from CFSTI, SLA, or ETC. TT-65-33107.
Trans. of Nauka i Zhizn (USSR) 32:8 (1965) 2-10.
(POWELL, DONALD M. see Ref. 658)
878. PRENTICE, W. C. H. Too Many Surveys. Science, 151 (4 Mar. 1966) 1034, 1036.
879. PRICE, ELIZABETH & FORBES SMITH. Microfilm Speeds Activation and Dispatch of Medical Case Histories. Systems, 7 (June 1966) 32-34.
880. Printer Catching Up to Fast Computers. Electronics, 38 (13 Dec. 1965) 239-240.
881. Product Microfiles Go International. Prod. Eng., 37 (23 May 1966) 91.
882. Publishers, Computers, & Consumers; Excerpts from Reports of University of California Libraries, Los Angeles and Davis. Libr. J., 91 (15 Mar. 1966) 1365.
883. Pushbutton Resumes Speed Talent Searches (Electronic Information Retrieval System Called Graduate Resume Accumulation and Distribution) Steel, 158 (14 Mar. 1966) 27.
884. RAACH, FRED R. Management Information Systems. Dun's Rev. Mod. Ind., (Jan. 1966, special suppl.) 131+.
885. Radiation Chemistry Data Center at Notre Dame. Sci. Inform. Notes, 7 (Dec. 1965-Jan. 1966) 4.
886. RAIA, E. C. Automatic Translation of Languages. Mech. Eng., 88 (May 1966) 112-117.
887. RAISIG, L. MILES, MEREDITH SMITH, RENATA CUFF, & FREDERICK G. KILGOUR. How Biomedical Investigators Use Library Books. Bull. Med. Libr. Ass., 54 (Apr. 1966) 104-107.
888. RAISIG, L. MILES. World Biomedical Journals, 1951-60: A Study of the Relative Significance of 1,388 Titles Indexed in "Current List of Medical Literature." Bull. Med. Libr. Ass., 54 (April 1966) 108-125.
889. RAKOWSKI, JOHN S. Effect of Size of Data Processing Cards on Manual Handling. Army Electronics Command, Fort Monmouth, N.J., Apr. 1966, 20 p. Report no. ECOM-2686 (AD-632 076)

890. RAMER, JAMES D. Educational Communications Conference. Spec. Libr., 57 (July-Aug. 1966) 410.
891. RANDALL, GORDON E. Bureauanship. (Editorial) Sci-Tech News, 20 (Summer 1966) 39, 42.
- (RAPHAEL, BERTRAM see Ref. 841 b)
892. RATCLIFFE, F. W. A Further Note on the Economics of Catalogue Card Reproduction. J. Doc., 22 (Mar. 1966) 55-58.
893. RAUCH, JEROME S. Topics in Library Technology: Copying Techniques. Bull. Med. Libr. Ass., 54 (Jan. 1966) 55-58.
- (RAZE, CAROL see Ref. 994 d)
894. REDMOND, DONALD A. Optimum Size: The Special Library Viewpoint. Sci-Tech News, 20 (Summer 1966) 40-42.
895. REED, DAVID M. & DONALD J. HILLMAN. Document Retrieval Theory, Relevance, and the Methodology of Evaluation. Report No. 3: Microcategorization for Text Processing. Center for the Information Sciences, Lehigh University, Bethlehem, Pa., 7 July 1966, 41 p. NSF Grant no. GN-451.
896. REED, J. B. The Diversity of Text-Length Amongst Systems of Scientific and Technological Abstracts. J. Doc., 22 (June 1966) 136-143.
897. REES, ALAN M. The Spectrum of Information Services Offered. Center for Documentation and Communication Research, School of Library Science, Western Reserve Univ., Cleveland, Ohio. (Preprint, 13 p.)
Presented at the Conference on The Present Status and Future Prospects of Reference/Information Service, 30 March-1 April 1966, Columbia Univ., New York.
898. REES, ALAN M. & DOUGLAS G. SCHULTZ. A Field Experimental Approach to the Study of Relevance Assessments in Relation to Document Searching. Formal Progress Report No. 2 (Jan. 1-June 30, 1966). Center for Documentation and Communication Research, School of Library Science, Western Reserve Univ., Cleveland, Ohio, 1966, 32 p. and 15 appendices, including Psychology and Information Retrieval, by A. M. Rees and D. G. Schultz.--The Spectrum of Information Services Offered, by A. M. Rees.--The Measurability of Relevance, by A. M. Rees and T. Saracevic. NSF Contract no. C-423.
- (REICHARDT, WERNER see Ref. 990 i.)

9. REID, C. E. Libraries must be Mandated. Libr. J., 91 (15 Mar. 1966) 1372+.
0. Remote but Real-Time Retrieval Being Studied by NASA. Sci. Inform. Notes, 8 (Apr. - May 1966) 13-14
(REMSEN, D. B. see Ref. 488 aa)
1. Research Associate Program Initiated at Clearinghouse. Sci. Inform. Notes, 7 (Dec. 1965 - Jan. 1966) 10.
(RESNIKOFF, H. L. & J. L. DOLBY see Ref. 797 c)
2. REVZIN, I. I. & V. YU ROZENISVEIG. The Fundamentals of Human and Machine Translation. Foreign Technology Div., Wright-Patterson AFB, Ohio, 17 Mar. 1966, 305 p. (Report no. FTD-TT-65-1597) TT 66-61408 (AD-633 682).
Unedited rough draft trans. of mono.: Osnovy Obshchego i Mashinnogo Perevoda, Moscow, 1964, 243 p.
3. RILEY, RICHARD F., ROBERT LEWIS, HARVEY S. FREY, & Y. HOKAMA. A Study of Coverage in "Chemical Abstracts" of the Literature on C-Reactive Protein, a Biomedical Borderline Area. J. Chem. Doc., 6 (May 1966) 72-76.
4. RILEY, W. B. Computers: Narrowing the Search. Electronics, 39 (7 Mar. 1966) 169-170.
(ROBERTS, LAWRENCE G. see Ref. 990 q)
5. ROCCHIO, JOSEPH JOHN, JR. Document Retrieval Systems--Optimization and Evaluation. Thesis (Ph. D.) Harvard Univ., Cambridge, Mass., Mar. 1966, 1 vol. (Harvard Univ., Computation Lab. Information Storage and Retrieval. Scientific Report no. ISR-10 to the National Science Foundation).
6. ROGERS, D. W. W. Off-Line Punched Card to Punched Tape Converter. Electron. Eng., 38 (Apr. 1966) 234-241.
7. ROGERS, FRANK B. MEDLARS Operating Experience at the University of Colorado. Bull. Med. Libr. Ass., 54 (Jan. 1966) 1-10.
8. ROHAN, T. M. Surviving the Information Explosion. Iron Age, 197 (14 Apr. 1966) 30.

(ROLAND, CHARLES G. see Ref. 857)

909. ROLLING, LOUI N. A Computer-Aided Information Service for Nuclear Science and Technology. J. Doc., 22 (June 1966) 93-115.

910. RONCO, P. G., et al. Characteristics of Technical Reports that Affect Reader Behavior: A Review of the Literature. Tufts Univ., Institute for Psychological Research, 1966, 191 p. (PB-169 409)

911. ROSENBERG, ART. Time-Sharing: A Status Report. Datamation, 12 (Feb. 1966) 66, 71-75, 77.

(ROSENBERG, L. see Ref. 520 kk)

912. ROSENBERG, VICTOR. Studies in the Man-System Interface in Libraries. Report no. 2: The Application of Psychometric Techniques to Determine the Attitudes of Individuals Toward Information Seeking. Center for the Information Sciences, Lehigh Univ., July 1966, 46 p. (Grants AFOSR-724-66 & NSF-GE-2569)

(ROSS, A. B. & M. BURTON see Ref. 488 bb)

(ROSSELL, ROBERT E. see Ref. 698 h)

(ROSSINI, F. D. see Ref. 488 cc)

(ROSSMASSLER, S. A. see Ref. 488 dd)

(ROVELSTAD, HOWARD see Ref. 745)

913. ROWAN, THOMAS C. EDP and State and Local Government. System Development Corp., Santa Monica, Calif., 30 June 1966, 7 p. (SP-2516)

(RUDIN, B. D. see Ref. 797)

914. RUDNER, BEULAH. Compression of English Text by Inexact Transmission. Interim technical report. Polytechnic Institute of Brooklyn, Microwave Research Institute, Brooklyn, N.Y., Aug. 1965, 23 p. AROD 5973:1 (AD-626 843)

915. RUDOV, M. H. Dimensionality in Human Information Storage. J. Exp. Psychol., 71 (Feb. 1966) 274-281.

916. RUSCONI, FRANCO. Cylindrical and Circular Correlational Schemas; Their Possible Use in the Transformation of Nets [Schemi Correlazionali Cilindrici e Circolari; Loro Possibile Uso nelle Trasformazioni di Rete]. Istituto Lombardo, Accademia Scienze e Lettere, Milan, 17 Feb. 1966.
917. RUSCONI, FRANCO & PAOLO TERZI. The Hierarchy and the Reversibility of Mental Linguistic Expression [Gerarchia e Reversibilitadei dei Rapporti Mentali nelle Espressioni Linguistiche]. Istituto Lombardo, Accademia Scienze e Lettere, Milan, 20 Jan. 1966.
- (SABROSKY, CURTIS W. see Ref. 857)
- (SAGE, C. R. see Ref. 520 b)
- (SAGER, NAOMI see Ref. 994 a)
- (SAGER, NAOMI & MORRIS SALKOFF see Ref. 994 c)
918. Sample Projects, Title III, ESEA. Libr. J., 91 (15 Feb. 1966) 1025-1032. Contents:
- a. LINDAUER, DINAH S. Project: Approved by U.S. Office of Education. To inventory resources, study existing services, and set up pilots, toward the creation of an interlocking system of regional services, including a library phase, p. 1025-1028.
 - b. CURLEY, WALTER W. Project: A school library system for all public and private schools in the county, to pool resources, provide bibliographic control through a union catalog, and provide centralized services ranging from selection to delivery; patterned on a public library cooperative system, p. 1029-1031.
 - c. HEIDBREDER, M. ANN & ESTHER SWANKER. Project: A book examination center. Not itself a proposal, the center could be a component in many Title III plans, p. 1031-1032.
919. SANTORO, FRANK W. Time-To-Find: A Vital Element. Systems, 7 (May 1966) 39, 57.
920. SARACEVIC, TEFKO & ALAN A. REES. Identification and Control of Variables in Information Retrieval Experimentation. Center for Documentation and Communication Research, Western Reserve Univ., Cleveland, Ohio, Jan. 1966, 17 p.
- (SARGENT, CHARLES W. see Ref. 520 mm)

921. SASTRI, M. I. A Note on the Style of "Chemical Abstracts." J. Chem. Doc., 6 (May 1966) 71-72.
922. SAVAGE, T. R. Users Versus Documents. Amer. Doc., 17 (July 1966) 141.
923. SAVITZ, G. S. Advantages of a Universal Coding and Classification System for Drugs. Structure of Classifications and Codes in the De Haen Drug Index Cards. Amer. J. Hosp. Pharm., 23 (Feb. 1966) 92-95.
- (SCHIRMER, ROBERT F. see Ref. 487 aa)
- (SCHNECK, JEROME M. see Ref. 857)
- (SCHULTZ, LOUISE see Ref. 520 nn)
- (SCHWARTZ, EUGENE S. see Ref. 641 m)
924. Scientific and Technological Information in the U.S.S.R. Ind. Res. News, 1 (Jan. 1966) 22-24.
925. Scientific Technical Information (Selected Articles). Foreign Technology Div., Wright-Patterson AFB, Ohio, 17 Mar. 1966, 47 p. (Report no. FID-TT-65-1304) TT 66-6141 (AD-633 683) Unedited rough draft trans. of: Nauchno-Tekhnicheskaya Informatsiya (USSR) n. 2, 1964.
- a. PADUCHEVA, YE. V. Certain Problems of Translation from Information-Logical Language into Russian, p. 20-27.
- b. ANTIDZE, D. G. Device for the Selection of Information by the Given Word, p. 47-48.
926. Selective Dissemination of Abstracts Underway at CAS. Sci. Inform. Notes, 8 (Apr. - May 1965) 12.
- (SELFIDGE, O. G. see Ref. 990 t)
- (SENDERS, J. W. see Ref. 731 d)
927. SESSIONS, VIVIAN S. URBANDOC Progress. ADI Newslett., 5 (Mar. 1966) 6.
- (SEWELL, WINIFRED see Ref. 487 bb)
- (SEYBOLD, JOHN W. see Ref. 698 o)
928. SHARR, F. A. Book-Type Catalogues for Developing Countries. UNESCO Bull. Libr., 20 (Jan. - Feb. 1966) 24-26.

929. SHEPARD, MARTHA. Library Services and Photocopying. Libr. Resour. Tech. Serv., 10 (Summer 1966) 331-335.
(SHER, IRVING H., EUGENE GARFIELD & ARTHUR W. ELIAS see Ref. 487 cc)
930. SHERA, JESSE H. Documentation and the Organization Libraries; edited and with introduction by D. J. Foskett. Shoe String Press, Hamden, Conn., 1966, 173 p.
931. SHERMAN, B. Techniques Tomorrow. Mod. Phot., 30 (Apr. 1966) 22.
(SHERROD, JOHN see Ref. 597 m)
932. SHERRY, MURRAY E. Development of a Machine Retrieval System for Storage Data on Ration Items. Final report, 28 June 1963-2 Apr. 1964. Charles W. Adams Associates, Inc., Bedford, Mass., Apr. 1966, 129 p. (Army. Natick Lab. Tech. Report 66-22-FD) (AD-632 581)
933. SCHRIVER, EDGAR L. Men, Machines and the Software Middleman. Report no. Professional paper 3-66. Human Resources Research Office, George Washington Univ., Alexandria, Va., Apr. 1966, 8 p. (AD-634 213) Prepared for presentation to Symposium Society of Technical Writers and Publishers, Huntsville, Ala., 31 Mar. 1966.
934. SIMMONS, R. F., J. BURGER, & R. LONG. An Approach Toward Answering English Questions From Text. (SDC short-form SF-2445) Accepted for presentation at FJCC to be held in San Francisco, Calif., Nov. 8-10, 1966.
935. SIMMONS, R. F. Natural Language Processing. Datamation, 12 (June 1966) 61-63, 65, 67, 69, 71-72.
(SIMMONS, R. F. see also Ref. 597 f)
936. SIMON, HERBERT A. Computer-Time Allocation. [Letter] Science, 153 (8 July 1966) 122.
937. SIMON, HERBERT & ALLEN NEWELL. Information Processing in Computer and Man. In: Brode, Wallace R., (ed.) Science in Progress, vol. 15. Yale University Press, New Haven, Conn., 1966.
(SIMPSON, G. S., JR. see Ref. 597X)
938. SIPPL, CHARLES J. Computer Dictionary and Handbook. Howard W. Sams Co., Indianapolis, Ind., May 1966, 766 p.

939. Sixteen Participating Libraries Named for Machine-Readable Cataloging Project. Libr. J., 91 (May 1966) 2297.
940. The SJCC Reviewed. Datamation, 12 (June 1966) 105.
941. SKINNER, FRANK D. Computer Graphics--Where Are We? Datamation, 12 (May 1966) 28-31.
942. SKOLNIK, HERMAN. Brain vs. Computer. J. Chem. Doc., 6 (May 1966) p. 1.
(SKOLNIK, HERMAN see also Ref. 488 ee)
943. SLOJKOWSKI, F. E. Information System for Project Control. Bell Lab. Rec., 44 (Feb. 1966) 63-68.
944. SMITH, ARTHUR ANSHEL. Input/Output in Time-Shared, Segmented Multi-processor Systems. Massachusetts Institute of Technology, Cambridge, Mass., Feb. 1966, 73 p. (MAC-TR-28) Thesis (M.S.) Massachusetts Institute of Technology.
945. SMITH, J. C. Anatomic Pathology and Data Processing. Arch. Pathol., 81 (Apr. 1966) 279-280.
(SMITH, F. R. & S. O. JONES see Ref. 520 oo)
(SMITH, J. F., E. RABCOCK, & T. E. R. SINGER see Ref. 488 ff)
(SMITH, J. F. & T. E. R. SINGER see Ref. 488 gg)
946. SNYDER, MONROE B., ANNE W. SCHUMACHER, STEVEN E. MAYER, & M. DEAN HAVRON. Methodology for Test and Evaluation of Document Retrieval Systems: A Critical Review and Recommendation. Human Sciences Research, Inc., McLean, Va., Jan. 1966, 75 p+appendices. (PB-169 572) NSF Contract no. C-418.
(SPEIGHT, F. Y. see Ref. 488 hh)
947. SPIEGEL, J., J. K. SUMMERS, & E. M. BENNETT. AESOP: A General Purpose Approach to Real-Time, Direct Access Management Information Systems. MITRE Corp., Bedford, Mass., June 1966, 38 p. Report no. MTP-33. ESD TR-66-289 (AD-634 371)
(SPURRIER, CHESTER E. see Ref. 489 g)
(STANWOOD, RICHARD H. see Ref. 520 pp)

948. STATLAND, N. Information Processing: Fact, Fiction and Future. Data Process. Mag., 8 (Feb. 1966) 18-19, 21-23.
949. Steel Sheet Gets an Information Centre. Engineering, 241 (11 Mar. 1966) 479.
- (STILLE, W. T. see Ref. 641 g)
950. STRABLE, EDWARD G. (ed.) Special Libraries: A Guide for Management. Special Libraries Ass., New York, 1966, 63 p.
951. STRACHEY, CHRISTOPHER. System Analysis and Programming. Sci. Amer., 215 (Sept. 1966) 112-113, 120, 122, 124.
952. STRAIN, PAULA M. A Study of the Usage and Retention of Technical Periodicals. Libr. Resour. Tech. Serv., 10 (Summer 1966) 295-304.
953. STRAIN, PAULA M. Use of Foreign Languages Journals in Technical Libraries. Sci-Tech News, 20 (Summer 1966) 43-....
954. STRAIN, PAULA M. The Use of Periodical Files in the Electronics Systems Center Library; A Report Covering the Years 1963-1965. International Business Machines Corp., Owego, N.Y., Nov. 1965. (IBM65-459-1000)
955. STRATTON, WILLIAM DAVID. Investigation of an Analog Technique to Decrease Pen-Tracking Time in Computer Displays. Massachusetts Institute of Technology, Cambridge, Mass., Mar. 1966, 7 p. Report no. MAC-TR-25. (AD-631 396) Thesis (M.S.)
956. STRUZZIERI, A. M. Copying EDP Printout. Systems, 7 (June 1966) 31, 31.
- (STUDER, PAUL A. see Ref. 437 dd)
- (SUMMERS, F. WILLIAM see Ref. 653)
957. SUPPES, PATRICK. The Uses of Computers in Education. Sci. Amer., 215 (Sept. 1966) 206-208, 213-220.
958. Survey of Information Centers. NRDC News. Reprinted from Nat. Bur. Stand. Tech. News Bull., 50 (Aug. 1966).
959. SUTHERLAND, IVAN E. Computer Graphics: Ten Unsolved Problems. Datamation, 12 (May 1966) 22-27.
960. SUTHERLAND, IVAN E. Computer Inputs and Outputs. Sci. Amer., 215 (Sept. 1966) 96-96.

961. SUTTON, L. Search for the Instant Library. Sat. Rev., 49 (16 Apr. 1966) 24-25.
962. SWANSON, D. R. On Improving Communication Among Scientists. Bull. Atomic Sci., 22 (Feb. 1966) 8-11; Discussion, 22 (May 1966), 31.
963. SWANSON, ROWENA W. Cybernetics in Europe and the U.S.S.R. --Activities, Plans, and Impressions. Directorate of Information Sciences, Air Force Office of Scientific Research, Mar. 1966, 95 p. AFOSR 66-0579 (AD-632 599)
964. SWANSON, ROWENA W. Information Sciences, 1965. Res. Rev., (Office of Aerospace Research) 5 (June 1966) 1-2.
965. SWANSON, ROWENA W. Information Sciences: Some Research Directions. Air Univ. Rev., 17 (Mar. - Apr. 1966) 56-57. Also (AD-631 535)
966. SWANSON, ROWENA W. Information System Network ... Let's Profit From What We Know. Office of Aerospace Research, U.S. Air Force, June 1966, 45 p. (AFOSR-66-0873) Presented at The Third Annual National Colloquium on Information Retrieval, Univ. of Pennsylvania, 12-13 May 1966.
967. SYSTEM DEVELOPMENT CORPORATION. Experimental Investigations of a Method for Analyzing Document Representation: Progress Report. Robert V. Katter, Principal Investigator. Santa Monica, Calif., 9 Aug. 1966, 113 p. (TM-3090)
968. SYSTEM DEVELOPMENT CORPORATION. Experimental Studies of Relevance Judgments: Second Progress Report. Carlos A. Cuadra, Principal Investigator. Santa Monica, Calif., 1 July 1966, 53 p. (TM-3068/000/00)
969. SYRACUSE UNIVERSITY RESEARCH INSTITUTE. A Study of the Frequency with which Russian, French and German Scientific Articles are Cited in Selected American Scientific Journals. Syracuse, N.Y., 1 June 1966, 80 p.
970. TABIDZE, G. S. Realization of Machine Algorithm for the Detection in Text of Object Names. Report no. FTD-TT-65-1033. Foreign Technology Div., Wright-Patterson AFB, Ohio, 3 Jan. 1966, 18 p. TT-66-60326 (AD-626 956)
- (TAGUE, JEAN see Ref. 520 qq)
- (TARTER, MICHAEL & RICHARD A. KRONMAL see Ref. 841 i)
971. TATE, F. A. Techniques for Selecting, Evaluating & Compacting the Drug Literature. Amer. J. Hosp. Pharm., 23 (Feb. 1966) 63-67.
972. TAUBE, MORTIMER. Information Technology: Problems and Promises. Libr. J., 91 (1 Mar. 1966) 1155-1158.

(TAUBER, ALFRED S. see Ref. 520 rr)

(TAULEEE, ORRIN E. & JOHN T. WELCH, JR. see Ref. 841 a)

(TAYLOR, ROBERT S. see Ref. 597 b)

973. TECHNICAL INFORMATION CENTER ADMINISTRATION (TICA) CONFERENCE, 3rd, Drexel Institute of Technology, Graduate School of Library Science, Philadelphia, Pa., 29 Aug. - 1 Sept. 1966. Papers to be presented:
- a. BORKO, HAROLD. Systems Design.
 - b. ELIAS, ARTHUR W. Indexing in and for Technical Information Centers.
 - c. FORD, ROBERT. Basic Data Processing.
 - d. GENTIEU, PHYLLIS V. Convention Files for Information Centers.
 - e. HERNER, SAUL. Instrumentation.
 - f. HINES, T. C. Library Resources for the Technical Information Center.
 - g. O'BLENESS, GEORGE. Computer Roles in Information Centers.
 - h. WELT, ISAAC D. Abstracting for Technical Information Centers.
974. Telephone-Tape Service for Physicians' Information Needs. Sci. Inform. Notes, 8 (June - July 1966) 15.
975. TEMPLETON, A. W., et al. RADIATE: A New Concept for Computer Coding, Transmitting, Storing, and Retrieving Radiological Data. Radiology, 85 (Nov. 1965) 811-817.
976. TEPLITZ, ARTHUR. Publication Cost Analysis Techniques. System Development Corp., Santa Monica, Calif., 3 Mar. 1966, 23 p. Report no. SP-2341/000/01 (AD-632 472)
977. TERZI, PAOLO. An Hypothetical Mechanism of the Origin of Ideas as an Instrument for the Automatic Analysis of Language [Un ipotetico meccanismo delle origini delle idee quale strumento per l'analisi automatica del linguaggio]. Istituto Lombardo, Accademia di Scienze e Lettere, Milan, 17 Feb. 1966.
978. TERZI, PAOLO. A Mathematical Representation of the Sentence in Some Indo-European Languages [Una rappresentazione matematica della frase in alcune lingue indo-europee]. Istituto Lombardo Accademia di Scienze e Lettere, Milan, 20 Jan. 1966.

979. TERZI, PAOLO. The Value of Mathematics in Resolving the Problem of Machine Translation. Automaz. Automat. (Milan) 10 (Mar.- Apr. 1966) 13-20. (Italian version appended, 8 p.).
980. THIMANN, KENNETH V. & ROBERT W. KRAUSS. The AIBS: Crisis in Retrospect, and the Outlook. Science, 153 (29 July 1966) 507.
981. THOMPSON, ROBERT. The "Think Big" Approach. Systems, 7 (May 1966) 33-34, 36.
982. To Catch a Thief. Systems, 7 (May 1966) 14, 40.
(TOMPKINS, MARY L. & JOHN W. TUKEY see Ref. 520 ss)
(TONGE, FRED see Ref. 841)
983. TOULOUKIAN, Y. S. Purdue's New Thermophysical Properties Research Center. Prod. Eng., 37 (14 Mar. 1966) 74.
(TOULOUKIAN, Y. S. see also Ref. 488 11)
984. Toward National Information Networks. Physics Today, 19 (Jan. 1966) 38-60. Contents:
a. KNOX, W. T. The Government Makes Plans, p. 39-44.
b. WILLIAMS, VAN ZANDT, ELMER HUTCHISSON, & HUGH C. WOLFE. Consideration of a Physics Information System, p. 45-52.
c. BLIZARD, E. P., F. G. BRICKWEDDE, J. H. CRAWFORD, S. A. GOUDSMIT, A. HERSCHMAN, S. PASTERNAK, A. B. SMITH, & K. WAY. Indexing Physics Papers, p. 54-56.
d. PEPINSKY, RAY. Documentation Theory is Not Trivial, p. 56-58.
e. ATHERTON, PAULINE A. An Action Plan for Indexing, p. 58-60.
(TRACEY, J. R. see Ref. 731 g)
985. Traders Index Paves Way for Precision World Marketing; Seventeen Thousand Firms Now Under Plan Unveiled Last Fall. Int. Com., 72 (28 Feb. 1966) 14.
986. TSEMEL, G. L. Recognition of Voiceless Fricative Sounds from a Clipped Speech Signal. 18 Jan. 1966, 12 p. JPRS-33779. Order from CFSTI, SLA, or ETC.: as TT-66-30222.
Transl. of: Problemy Peredachi Informatsii (USSR) v.1, n.4 (1965) 33-40.

987. TSIEN, TSUEN-HSUIN & HOWARD W. WINGER (eds.) Area Studies and the Library. University of Chicago Press, Chicago, 1966, 184 p.
988. TURNER, T. H. Growth of a Metallurgical Centre. Engineer, 221 (4 Mar. 1966) 352-353.
989. TUTHILL, O. W. Thrust of Information Technology on Management. Financ. Exec., 34 (Jan. 1966) 18-19+.
990. UHR, LEONARD (ed.) Pattern Recognition: Theory, Experiment, Computer Simulations, and Dynamic Models of Form Perception and Discovery. Wiley, New York, 1966, 393 p. Contents:
- a. PIERCE, CHARLES SANDERS. Thought-Signs and Thirdness, p. 9-19.
 - b. CASSIRER, ERNEST. On the Theory of the Formation of Concepts, p. 20-34.
 - c. CRAIK, K. J. W. Hypothesis on the Nature of Thought, p. 35-40.
 - d. WITTGENSTEIN, LUDWIG. Seeing, p. 41-55.
 - e. VERNON, M. D. The Nature of Perception and the Fundamental Stages in the Process of Perceiving, p. 61-83.
 - f. WOHLWILL, JOACHIM F. Developmental Studies of Perception, p. 84-122.
 - g. ATTNEAVE, FRED & MALCOLM D. ARNOULT. The Quantitative Study of Shape and Pattern Perception, p. 123-141.
 - h. HAKE, HAROLD W. Form Discrimination and the Invariance of Form, p. 142-173.
 - i. DEUTSCH, J. A. A Theory of Shape Recognition, p. 177-184.
 - j. DODWELL, P. C. Coding and Learning in Shape Discrimination, p. 185-194.
 - k. MARSHALL, W. H. & S. A. TALBOT. Recent Evidence for Neural Mechanisms in Vision Leading to a General Theory of Sensory Acuity, p. 195-211.
 - l. REICHARDT, WERNER. Autocorrelation; A Principle for the Evaluation of Sensory Information by the Central Nervous System, p. 212-223.

15 September 1966

-70-

TM-3008/002/00

990. UHR, LEONARD. (Continued)

- m. BARLOW, H. B. Summation and Inhibition in the Frog's Retina, p. 227-244.
- n. BURNS, B. DELISLE, W. HERON, & R. PRITCHARD. Physiological Excitation of Visual Cortex in Cat's Unanesthetized Isolated Forebrain, p. 245-261.
- p. HUBEL, D. H. & T. N. WIESEL. Receptive Fields, Binocular Interaction, and Functional Architecture in the Cat's Visual Cortex, p. 262-277.
- q. YOUNG, J. Z. Memory Mechanisms of the Brain, p. 278-290.
- r. ROBERTS, LAWRENCE G. Pattern Recognition with an Adaptive Network, p. 295-300.
- s. BLEDSOE, W. W. & I. BROWNING. Pattern Recognition and Reading by Machine, p. 301-316.
- t. GRIMSDALE, R. L., F. H. SUMNER, C. J. TUNIS, & T. KILBURN. A System for the Automatic Recognition of Patterns, p. 317-338.
- u. SELFRIDGE, O. G. Pandemonium: A Paradigm for Learning, p. 339-348.
- v. UHR, LEONARD & CHARLES VOSSLER. A Pattern-Recognition Program that Generates, Evaluates, and Adjusts Its Own Operators, p. 349-364.
- w. UHR, LEONARD. Pattern Recognition, p. 365-381.

(UHR, LEONARD & CHARLES VOSSLER see Ref. 990 v)

- 991. University Library Problems Subject of Purdue Study. Sci. Inform. Notes, 8 (June - July 1966) 6-7.
- 992. University of California Library Research Program. Sci. Inform. Notes, 8 (Apr. - May 1966) 9-10.
- 993. University of Illinois to Prepare Manual of Archival Practice for Records of Academic Scientific Research. Recent Developments CLR (Council on Library Resources), no. 195, 6 July 1966, 2 p.

94. UNIVERSITY OF PENNSYLVANIA. DEPARTMENT OF LINGUISTICS. NSF TRANSFORMATIONS PROJECT. Report on the String Analysis Programs. Introductory Volume. Philadelphia, Pa., Mar. 1966, 1 vol. Contents:
- a. SAGER, NAOMI. A Syntactic Analyzer for Natural Language.
 - b. MORRIS, JAMES. The IPL String Analysis Program.
 - c. SAGER, NAOMI & MORRIS SALKOFF. Outputs from Scientific Articles.
 - d. RAZE, CAROL. The FAP String Analysis Program.
- (URDANG, LAURENCE see Ref. 520 tt)
95. VALE, MICHELLE R. The Interstate Library Compact. Libr. J., 91 (15 May 1966) 2419-2422.
96. VAN METER, W. R. More Information, Please! Food Eng., 38 (Feb. 1966) 108-110.
97. VAN OOT, J. G., J. L. SCHULTZ, R. E. McFARLANE, F. H. KVALNES, & A. W. RIESTER. Links and Roles in Coordinate Indexing and Searching: An Economic Study of Their Use, and an Evaluation of Their Effect on Relevance and Recall. J. Chem. Doc., 6 (May 1966) 95-101.
- (VER HOFF, E. W. see Ref. 841 c)
- (VERNON, M. D. see Ref. 990 e)
- (VERONA, R. see Ref. 746)
98. VEYETTE, JOHN H., JR. Information Retrieval Systems. Systems, 7 (July 1966) 16-18, 44-46.
99. VOLLMER, HOWARD M. & DONALD L. MILLS (eds.) Professionalization. Prentice-Hall, Englewood Cliffs, N.J., 1966, 383 p. Forty-Two papers: The Concept of Professionalization (6 papers); The Social Context of Professionalization (5 papers); Individuals and Professionalization (5 papers); Professional Controls (3 papers); Professional Associations and Colleague Relations (5 papers); Client and Public Relations (3 papers); Relations Among Occupational Groups (5 papers); Professionals and Complex Organizations (4 papers); Professionals and the Government (4 papers); and Status Differences and Professionalization (2 papers).

(WADDINGTON, G. see Ref. 488 jj)

(WAGNER, FRANK S., JR. see Ref. 487 ee)

(WALL, F. E. see Ref. 488 kk)

1000. WALLACE, EVERETT M. SURF: Support of User Records and Files, Description and Operation. System Development Corp., Santa Monica, Calif., 29 Apr. 1966, 35 p. Report no. TM-2912/000/00 (AD-632 480)
1001. WALLACE, EVERETT M. User Requirements, Personal Indexes, and Computer Support. System Development Corp., Santa Monica, Calif., 25 July 1966, 7 p. (SP-2535)
1002. WALLIN, H. N. How the Navy Operates its Management Information Center. Office, 63 (Jan. 1966) 75-77.
1003. WARE, W. H. Future Computer Technology and its Impact. RAND Corp., Santa Monica, Calif., Mar. 1966, 30 p. Report no. P-3279. (AD-631 941)
1004. WASSERMAN, PAUL. The New School of Library and Information Services at the University of Maryland. D. C. Libr., 37 (Spring 1966) 20-22.
- (WATSON, C. E. see Ref. 488 ll)
1005. WEBB, MAYSIE. The National Reference Library for Science and Invention: a Review of Progress. J. Doc., 22 (Mar. 1966) 1-12.
1006. WEISBERG, DAVID E. Computer Characteristics. Datamation, 12 (Jan. 1966) 55-56.
- (WEISMAN, H. M. see Ref. 488 mm)
- (WELT, ISAAC D. see Ref. 973 h)
- (WHALEY, FRED R. & CAROLYN FLANAGAN see Ref. 487 gg)
1007. WHATLEY, H. ALLAN. A Survey of the Major Indexing and Abstracting Services for Library Science and Documentation. Library Ass., London, 1966, 78 p.
- (WHEELER, FRANCIS M. see Ref. 520 vv)
- (WHITE, RONALD E. see Ref. 698 c)
- (WIGINGTON, RONALD L. see Ref. 731 b)

- (WILLIAMS, JOEL (ed.) see Ref. 491)
- (WILLIAMS, VAN ZANDT, ELMER HUTCHISSON, & HUGH C. WOLFE see Ref. 984 b)
008. WILSON, H. B. SMART (Socony Mobil Automatic Real Time) Computer System. J. Chem. Doc., 6 (May 1966) 89-92.
- (WILSON, JOHN H. see Ref. 520 ww)
009. WILSON, ROBERT A. Optical Page Reading Devices. Reinhold, New York, 1966, 197 p.
- (WISWESSER, W. J. see Ref. 488 nn)
- (WITTGENSTEIN, LUDWIG see Ref. 990 d)
- (WOHLWILL, JOACHIM F. see Ref. 990 f)
- (WOLFF-TERROINE, MADELEINE see Ref. 641 j)
- (WOLFROM, M. L. see Ref. 488 oo)
010. WOLIN, BURTON R. & ROSEMARIE WEICHEL. Binary Prediction Behavior When the Generating Source Resembles a Language. System Development Corp., Santa Monica, Calif., 31 Mar. 1966, 21 p. (SP-1953/001/00)
011. WOOD, D. N. & K. P. BARR. Courses on the Structure and Use of Scientific Literature. J. Doc., 22 (Mar. 1966) 22-32.
012. WOOLONS, D. J. The Use of an On-Line Scanner in the Computer Simulation of Character Recognition. Joint Computer Conference, Eastbourne, 1966. Institution of Electrical Engineers Conference Publication, (GB), No. 19, 244-249.
013. WRIGHT, J. E. Making the Best of It--The Proper Use of a Technical Library. Electron. Power, 12 (Mar. 1966) 71-74.
014. YAKUSHIN, B. V. Problems of Algorithmic Composition of Subject Indexes (Brief Survey of Foreign Literature). 15 Mar. 1966, 18 p. LT-65-102; Order from CFSTI, SLA, or ETC.: as AD-629 910.
Transl. of: Nauchno-Tekhnicheskaya Informatsiya (USSR) n. 5 (1965) 22-25.
- (YARNALL, STEPHEN R. & RICHARD A. KRONMAL see Ref. 841 g)
- (YOUNG, J. A. see Ref. 488 pp)

1015. YOUNG, J. Z. The Memory System of the Brain. University of California Press, Berkeley, 1966, 128 p.
1016. ZAVALA, ALBERT & HAROLD P. VAN COTT. A Feasibility Study of the Factor Analysis of Scientific Literature. Final report. American Institutes for Research, Silver Spring, Md., July 1966, 38 p. (AIR-E-92-7/66-FR) NSF Grant no. GN-496.
1017. ZEIGER, MARION. Information Services: A Guide to Federal Offerings. Science, 153 (12 Aug. 1966) 722-724.
1018. ZEIGLER, JAMES R. Time Sharing Computer: The EDP Politician--It Wants to be All Things to All People. Data Process. Educ., 5 (July/Aug. 1966) 5-8.
1019. ZEIGLER, HERBERT J. A New Information System for Organic Reactions. J. Chem. Doc., 6 (May 1966) 81-89.
1020. ZIFF, P. More on Understanding Understanding Utterances. System Development Corp., Santa Monica, Calif., 8 June 1966, 16 p. (SP-2504)
1021. ZIMMERER, R. W. ADI Auxiliary Publications Program. IEEE Trans. Microwave Theory Tech., MTT-13 (Nov. 1965) 883-884.

ABBREVIATIONS & INDEX FOR PERIODICALS CITED¹

ADI Newslett.--American Documentation Institute Newsletter
565; 703; 774; 838; 846; 927

Admin. Manage.--Administrative Management
367

AIA Bull.--American Library Association Bulletin
[189; 270] 699; 767; 802; 860

Amer. Behav. Sci.--American Behavioral Scientist
[206]

Amer. Doc.--American Documentation
56; 108; 120; 134; 153; 158; 174; 235; 247; 252; 297; 299; 312; 314; 348;
[34; 461] 534; 615; 616; 657; 720; 758; 769; 868; 922

Amer. Educ.--American Education
;48

Amer. J. Hosp. Pharm.--American Journal of Hospital Pharmacy
;87; 593; 603; 636; 656; 757; 849; 923; 971

Amer. J. Pathol.--American Journal of Pathology
292]

Amer. J. Pub. Health--American Journal of Public Health
-79

Amer. Psychol.--American Psychologist
104; 328]

Ann. Libr. Sci. Doc.--Annals of Library Science and Documentation
208; 245]

Appl. Opt.--Applied Optics
26; 229]

Arch. Pathol.--Archives of Pathology
45

Ariz. Law Rev.--Arizona Law Review
42

References to items in Part I of this bibliography are indicated by [].

Army Inform. Dig.--Army Information Digest
501

Aslib Proc.--Aslib Proceedings
569; 613; 634; 791; 794

Austral. Libr. J.--Australian Library Journal
[110]

Automation
[166] 505; 780

Automaz. Automat.--Automazione e Automatism
979

Babel
[121]

Banking
560

Battelle Tech. Rev.--Battelle Technical Review
[441]

Bell Lab. Rec.--Bell Laboratories Record
943

Bibliogr. Doc. Terminol.--Bibliography, Documentation, Terminology
480

BioScience
[4]

Bull. At. Sci.--Bulletin of the Atomic Scientists
962

Bull. Bibl. Fr.--Bulletin de Bibliothèques de France
[283]

Bull. Louisiana Libr. Assn.--Bulletin of the Louisiana Library Association
574

Bull. Med. Libr. Ass.--Bulletin of the Medical Library Association
[154] 575; 671; 782; 887; 888; 893; 907

Bus. Automat.--Business Automation
[8; 303]

Bus. Manage.--Business Management
811

Bus. Quart.--Business Quarterly
547

Bus. Week--Business Week
532; 610; 673; 733

Chart. Mech. Eng.--Chartered Mechanical Engineering
557

Chem. Brit.--Chemistry in Britain
729

Chem. Can.--Chemistry in Canada
[319]

Chem. Eng.--Chemical Engineering
516

Chem. Eng. News--Chemical and Engineering News
724

Chem. Eng. Progr.--Chemical Engineering Progress
531; 644

Chem. Lit.--Chemical Literature
487

City Univ. N. Y. Grad. Newslett.--City University of New York Graduate
Newsletter
[446]

Civil Eng.--Civil Engineer
639

Coll. Res. Libr.--College & Research Libraries
[79; 93; 115; 248; 275; 279; 304; 357; 385; 450] 522; 545; 604; 618; 655;
679; 756; 759; 776; 827; 876

Columbia J. World Bus.--Columbia Journal of World Business
751

Commer. Vehic.--Commercial Vehicles
743

15 September 1966

-78-

TM-3008/002/00

Commun. ACM--Communications of the Association for Computing Machinery
[21; 22; 30; 36; 57; 64; 101; 106; 330; 331; 366; 395; 396; 397; 398; 437;
453; 460] 482; 494; 523; 556; 582; 652; 702; 771

Comput. Automat.--Computers & Automation
530; 650

Comput. Bull.--Computer Bulletin
807

Comput. Data Process. News--Computers & Data Processing News
[306]

Comput. Design--Computer Design
[416]

Comput. J.--Computer Journal
588; 805

Contr. Eng.--Control Engineering
591

D. C. Libr.--D. C. Libraries
1004

Data
822

Data Process. Educ.--Data Processing for Education
763; 1018

Data Process. Mag.--Data Processing Magazine
[70; 278; 321; 410] 948

Datamation
[37; 45; 80; 196; 200; 268; 350; 373] 553; 565; 589; 623; 645; 662; 732;
806; 911; 935; 940; 941; 959; 1006

Design Compon. Eng.--Design & Components in Engineering
817

Design Electron.--Design Electronics
519

Digital Comput. Newslett.--Digital Computer Newsletter
722; 736

Discovery--Discovery
761

15 September 1966

-79-

TM-3008/002/00

Drexel Libr. Quart.--Drexel Library Quarterly
[51; 68; 88; 113; 114; 179; 213; 250; 254; 349; 452]

Dun's Rev. Mod. Indus.--Dun's Review and Modern Industry
884

Ekon. Gaz. (USSR)--Ekonomicheskaya Gazeta (USSR)
663

Electr. World--Electrical World
635

Electron. Eng.--Electronic Engineering
906

Electron. Ind.--Electronic Industries
692; 810; 854

Electron. Power--Electronics and Power
1013

Electronics
[164] 708; 880; 904

Elektrotekhnika (USSR)
[5]

Engineer
988

Engineering
579; 949

Ergonomics--Ergonomics
711

Fin. Exec.--Financial Executive
630; 939

Fomento (Lisbon)
[430]

Food Eng.--Food Engineering
996

For. Develop. Mach. Transl. Inform. Process.--Foreign Developments in Machine
Translation and Information Processing
746

15 September 1966

-80-

TM-3008/002/00

Gas
672

Grid-Bull.---Grid-Bulletin
719; 778

Harvard Bus. Rev.---Harvard Business Review
601; 754

Herald Libr. Sci.---Herald of Library Science
[271]

IBM J. Res. Develop.---IBM Journal of Research and Development
[27]

IEEE Proc.---IEEE Proceedings
566

IEEE Spectrum
[18; 129; 251; 295; 296; 374; 422; 458; 464; 470] 687; 856; 870

IEEE Trans. Electron. Comput.---IEEE Transactions on Electronic Computers
[83; 94; 136; 170; 333]

IEEE Trans. Eng. Manage.---IEEE Transactions on Engineering Management
[117]

IEEE Trans. Eng. Writ. Speech--IEEE Transactions on Engineering Writing
and Speech
801

IEEE Trans. Hum. Factors Electron.---IEEE Transactions on Human Factors in
Electronics
606

IEEE Trans. Microwave Theory Tech.---IEEE Transactions on Microwave Theory
and Techniques
1021

Indexer
[23; 24; 74; 100; 226; 317; 393]

Indus. Res. News--Industrial Research News
924

Inform. Control.---Information and Control
[52] 576

15 September 1966

-81-

TM-3008/002/00

Inform. Display--Information Display
[195]

Inform. Retr. Lett.--Information Retrieval Letter
481; 831

Int. Com.--International Commerce
985

Int. Sci. Technol.--International Science and Technology
[15; 123; 370; 463] 706; 707

Iron Age
908

J. Account.--Journal of Accountancy
748

J. Amer. Coll. Health Assn.--Journal of the American College Health
Association
552

J. Ass. Comput. Mach.--Journal of the Association for Computing Machinery
768

J. Chem. Doc.--Journal of Chemical Documentation
[65; 67; 109; 177; 210; 272; 282; 284; 473] 487; 664; 669; 728; 813; 832;
903; 921; 942; 997; 1008; 1019

J. Chem. Educ.--Journal of Chemical Education
[225]

J. Doc.--Journal of Documentation
[72; 197] 511; 542; 643; 691; 760; 773; 795; 892; 896; 909; 1005; 1011

J. Exp. Psychol.--Journal of Experimental Psychology
793; 915

J. Libr. Hist.--Journal of Library History
539

J. Math. Anal. Appl.--Journal of Mathematical Analysis and Applications
513

J. Med. Ass. Alabama--Journal of the Medical Association of the State
of Alabama
818

J. Med. Educ.--Journal of Medical Education
712

J. Optic. Soc. Amer.--Journal of the Optical Society of America
716

J. Petrol. Technol.--Journal of Petroleum Technology
688

J. Psychol.--Journal of Psychology
[301]

Knihovnik (Prague)
[249]

Lancet
515

Laryngoscope
525

Libr. Ass. Rec.--Library Association Record
[322; 471] 543

Libr. J.--Library Journal
[3; 29; 323; 341; 420] 483; 484; 499; 500; 502; 507; 514; 538; 540; 551;
572; 573; 627; 637; 651; 658; 661; 666; 668; 740; 744; 779; 783; 790; 815;
830; 835; 836; 872; 882; 899; 918; 939; 972; 995

Libr. Quart.--Library Quarterly
546

Libr. Resour. Tech. Serv.--Library Resources & Technical Services
[32; 82; 85; 92; 132; 133; 137; 167; 209; 218; 238; 263; 267; 274; 332; 353;
384; 405; 429; 448; 451; 465] 858; 929; 952

Libr. Sci. Slant Doc.--Library Science with a Slant to Documentation
527

Libr. Trends--Library Trends
697

Libr. World--Library World
[116]

Magyar Tud. (Hungary)--Magyar Tudomány (Hungary)
862

15 September 1966

-83-

TM-3008/002/00

Manage. Rev.--Management Review
642; 710

Manitoba Med. Rev.--Manitoba Medical Review
695

Maroc Med.--Maroc Medicine
676

Mater. Design Eng.--Materials in Design Engineering
675

Mech. Eng.--Mechanical Engineering
886

Metal Finish.--Metal Finishing
631

Metalwork. Prod.--Metalworking Production
816

Meth. Inform. Med.--Methods of Information in Medicine
[50; 102; 138; 152; 159; 169; 302; 375; 383; 476]

Missouri Med.--Missouri Medicine
[291]

Mod. Photogr.--Modern Photography
931

Nach. Dok.--Nachrichten für Dokumentation
[118; 139; 142; 155; 180; 324; 381; 386; 412; 426]

Nat. Ass. Sci. Writers Newslett.--National Association of Science Writers
Newsletter
[329]

Nat. Bur. Stand. Tech. News Bull.--National Bureau of Standards Technical
News Bulletin
829; 958

Nat. Micro-News--National Micro-News
[40]

Nature
[233; 359]

15 September 1966

-84-

TM-3008/002/00

Nauch.-Tekh. Inform.--Nauchno-Tekhnicheskaya Informatsiya (USSR)
632; 925; 1014

Nauka Zhizn--Nauka i Zhizn (USSR)
877

Navy Manage. Rev.--Navy Management Review
837

New Engl. J. Med.--New England Journal of Medicine
[39]

NSRDS News
829; 958

Occup. Psychol.--Occupational Psychology
[86]

Office
1002

Patent (USSR)
[25]

Percept. Motor Skills--Perceptual and Motor Skills
685

Percolator
[6; 55; 168; 428]

Phys. Today--Physics Today
[31; 269; 457] 541; 865; 984

Planovoe Khoz.--Planovoe Khozayaistvo (USSR)
746

Postgrad. Med. J.--Postgraduate Medical Journal
592; 696

Print. Technol.--Printing Technology
626

Probl. Pered. Inform. (USSR)--Problemy Peredachi Informatsii (USSR)
986

Prod. Eng.--Product Engineering
[81] 503; 611; 739; 824; 881; 983

Psychol. Reports--Psychological Reports
701

Publ. Week.--Publisher's Weekly
581; 605; 628; 784; 789

Pulp & Paper Mag. Can.--Pulp and Paper Magazine of Canada
[49]

Quart. J. Libr. Cong.--Quarterly Journal of the Library of Congress
526

Radio Electron. Eng.--Radio & Electronic Engineer
834

Radiology
975

Read. Dig.--Reader's Digest
734

Recent Develop. CIR--Recent Developments Council on Library Resources
682; 683; 738; 845; 509; 993

Res./Develop.--Research/Development
[87] 690

Res. Rev.--Research Review (Office of Aerospace Research)
964

Res. Lab. Bull.--Research Laboratory Bulletin (General Electric Co.)
409

Rev. Int. Doc.--Revue Internationale de la Documentation
[125; 171; 231; 325]

Sat. Rev.--Saturday Review
961

Sci. Amer.--Scientific American
800; 828; 851; 871; 951; 957; 960

Sci. Inform. Notes--Scientific Information Notes
537; 561; 578; 607; 608; 625; 638; 640; 654; 735; 786; 787; 825; 848; 885;
900; 901; 926; 974; 991; 992

Sci-Tech News
[91; 260; 415] 891; 894; 953

Science

[1; 2; 53; 157; 162; 305; 344; 345; 468] 478; 486; 517; 599; 624; 684; 686;
777; 814; 857; 864; 878; 936; 980; 1017

SDC Mag.--SDC Magazine

[402] 559

Signal

677

Southeast. Libr.--Southeastern Librarian

[205]

Spec. Libr.--Special Libraries

[7; 12; 13; 38; 41; 48; 60; 61; 62; 63; 90; 95; 112; 119; 126; 130; 146; 204;
214; 215; 216; 217; 236; 240; 253; 264; 265; 266; 273; 286; 289; 294; 327;
352; 354; 355; 360; 361; 363; 367; 399; 407; 414; 419; 454; 456] 521; 536;
557; 574; 770; 890

Statist. Prax.--Statistische Praxis (East Germany)

772

Steel

839; 883

Stud. Cercet. Geofiz.--Studii si Cercetari de Geofizica

746

Survey. Munic. Eng.--Surveyor and Municipal Engineer

563

Systems

[11] 497; 506; 600; 617; 646; 723; 725; 730; 796; 799; 823; 843; 855; 866;
879; 919; 956; 981; 982; 998

TAPPI--TAPPI (Technical Association of the Pulp and Paper Industry)

766

Tekh. Voor.--Tekhnika i Vooruzhenie (USSR)

764

Text. World--Textile World

844

Tidschr. Dok. (Sweden)--Tidschrift för Dokumentation

[293]

15 September 1966

87-
(last page)

TM-3008/002/00

Transfusion
718

UNESCO Bull. Libr.--UNESCO Bulletin for Libraries
[462] 590; 689; 869; 928

Wall St. J.--Wall Street Journal
821

West. Union Tech. Rev.--Western Union Technical Review
[124]

Wilson Libr. Bull.--Wilson Library Bulletin
[387; 447] 577; 835; 874

Unclassified

Security Classification

DOCUMENT CONTROL DATA - R&D

(Security classification of title, body of abstract and indexing annotation must be entered when the overall report is classified)

ORIGINATING ACTIVITY (Corporate author)

System Development Corporation
Santa Monica, California

2a. REPORT SECURITY CLASSIFICATION
Unclassified

2b. GROUP

REPORT TITLE

Bibliography on Information Science and Technology for 1966. Part II

SCRIPTIVE NOTES (Type of report and inclusive dates)

AUTHOR(S) (Last name, first name, initial)

Beland, Frances

REPORT DATE

1 September 1966

7a. TOTAL NO. OF PAGES

87

7b. NO. OF REFS

CONTRACT OR GRANT NO

DI 65-1 and SDC Independent Research
PROJECT NO Staff

9a. ORIGINATOR'S REPORT NUMBER(S)

TM-3008/002/00

9b. OTHER REPORT NO(S) (Any other numbers that may be assigned
this report)

AVAILABILITY/LIMITATION NOTICES

Distribution of this document is unlimited

SUPPLEMENTARY NOTES

12. SPONSORING MILITARY ACTIVITY

ABSTRACT

The primary aim of this continuing bibliography is to assist the authors of the chapters in "Annual Review of Information Science and Technology" in discovering the existence or determining the identity of documents relevant to their topics. The style of entries also reflects the authors' requirements. The abbreviations and Index for Periodicals Cited" is cumulative for parts I and II.

Unclassified

Security Classification

14. KEY WORDS	LINK A		LINK B		LINK C	
	ROLE	WT	ROLE	WT	ROLE	WT
Bibliography Information Science National Science Foundation American Documentation Institute						

INSTRUCTIONS

1. **ORIGINATING ACTIVITY:** Enter the name and address of the contractor, subcontractor, grantee, Department of Defense activity or other organization (corporate author) issuing the report.

2a. **REPORT SECURITY CLASSIFICATION:** Enter the overall security classification of the report. Indicate whether "Restricted Data" is included. Marking is to be in accordance with appropriate security regulations.

2b. **GROUP:** Automatic downgrading is specified in DoD Directive 5200.10 and Armed Forces Industrial Manual. Enter the group number. Also, when applicable, show that optional markings have been used for Group 3 and Group 4 as authorized.

3. **REPORT TITLE:** Enter the complete report title in all capital letters. Titles in all cases should be unclassified. If a meaningful title cannot be selected without classification, show title classification in all capitals in parenthesis immediately following the title.

4. **DESCRIPTIVE NOTES:** If appropriate, enter the type of report, e.g., interim, progress, summary, annual, or final. Give the inclusive dates when a specific reporting period is covered.

5. **AUTHOR(S):** Enter the name(s) of author(s) as shown on or in the report. Enter last name, first name, middle initial. If military, show rank and branch of service. The name of the principal author is an absolute minimum requirement.

6. **REPORT DATE:** Enter the date of the report as day, month, year, or month, year. If more than one date appears on the report, use date of publication.

7a. **TOTAL NUMBER OF PAGES:** The total page count should follow normal pagination procedures, i.e., enter the number of pages containing information.

7b. **NUMBER OF REFERENCES:** Enter the total number of references cited in the report.

8a. **CONTRACT OR GRANT NUMBER:** If appropriate, enter the applicable number of the contract or grant under which the report was written.

8b, 8c, & 8d. **PROJECT NUMBER:** Enter the appropriate military department identification, such as project number, subproject number, system numbers, task number, etc.

9a. **ORIGINATOR'S REPORT NUMBER(S):** Enter the official report number by which the document will be identified and controlled by the originating activity. This number must be unique to this report.

9b. **OTHER REPORT NUMBER(S):** If the report has been assigned any other report numbers (either by the originator or by the sponsor), also enter this number(s).

10. **AVAILABILITY/LIMITATION NOTICES:** Enter any limitations on further dissemination of the report, other than those

imposed by security classification, using standard statements such as:

- (1) "Qualified requesters may obtain copies of this report from DDC."
- (2) "Foreign announcement and dissemination of this report by DDC is not authorized."
- (3) "U. S. Government agencies may obtain copies of this report directly from DDC. Other qualified DDC users shall request through _____."
- (4) "U. S. military agencies may obtain copies of this report directly from DDC. Other qualified users shall request through _____."
- (5) "All distribution of this report is controlled. Qualified DDC users shall request through _____."

If the report has been furnished to the Office of Technical Services, Department of Commerce, for sale to the public, indicate this fact and enter the price, if known.

11. **SUPPLEMENTARY NOTES:** Use for additional explanatory notes.

12. **SPONSORING MILITARY ACTIVITY:** Enter the name of the departmental project office or laboratory sponsoring (paying for) the research and development. Include address.

13. **ABSTRACT:** Enter an abstract giving a brief and factual summary of the document indicative of the report, even though it may also appear elsewhere in the body of the technical report. If additional space is required, a continuation sheet shall be attached.

It is highly desirable that the abstract of classified reports be unclassified. Each paragraph of the abstract shall end with an indication of the military security classification of the information in the paragraph, represented as (TS), (S), (C), or (U).

There is no limitation on the length of the abstract. However, the suggested length is from 150 to 225 words.

14. **KEY WORDS:** Key words are technically meaningful terms or short phrases that characterize a report and may be used as index entries for cataloging the report. Key words must be selected so that no security classification is required. Identifiers, such as equipment model designation, trade name, military project code name, geographic location, may be used as key words but will be followed by an indication of technical context. The assignment of links, rules, and weights is optional.

Unclassified

Security Classification